



SOUTH EASTERN UNIVERSITY OF SRI LANKA

BIDDING DOCUMENT

**SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF
MECHANICAL ENGINEERING LABORATORY EQUIPMENTS.**

NATIONAL COMPETITIVE BIDDING

SEU/SS/2016/02

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(Volume I and II)

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Section I. Instructions to Bidders (ITB)

ITB shall be read in conjunction with the Section II, Bidding Data Sheet (BDS), which shall take precedence over ITB.

General

- 1. Scope of Bid**
 - 1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this procurement are **specified in the BDS**. The name, identification, and number of lots (individual contracts), if any, are **provided in the BDS**.
 - 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form by mail (other than electronic mail) or hand delivered with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “day” means calendar day.
- 2. Source of Funds**
 - 2.1 Payments under this contract will be financed by the source **specified in the BDS**.
- 3. Ethics, Fraud and Corruption**
 - 3.1 The attention of the bidders is drawn to the following guidelines of the Procurement Guidelines published by National Procurement Agency:
 - Parties associated with Procurement Actions, namely, suppliers/contractors and officials shall ensure that they maintain strict confidentiality throughout the process;
 - Officials shall refrain from receiving any personal gain from any Procurement Action. No gifts or inducement shall be accepted. Suppliers/contractors are liable to be disqualified from the bidding process if found offering any gift or inducement which may have an effect of influencing a decision or impairing the objectivity of an official.
 - 3.2 The Purchaser requires the bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy:
 - (a) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public

official in the procurement process or in contract execution;

- (b) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (c) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, noncompetitive levels; and
- (d) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

3.3 If the Purchaser found any unethical practices as stipulated under ITB Clause 3.2, the Purchaser will reject a bid, if it is found that a Bidder directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

4. Eligible Bidders

4.1 All bidders shall possess legal rights to supply the Goods under this contract.

4.2 A Bidder shall not have a conflict of interest. All bidders found to have 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 or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents ; or
- (b) submit more than one bid in this bidding process. However, this does not limit the participation of subcontractors in more than one bid.

4.3 A Bidder that is under a declaration of ineligibility by the National Procurement Agency (NPA), at the date of submission of bids or at the date of contract award, shall be disqualified. The list of debarred firms is available at the website of NPA, www.npa.gov.lk .

4.4 Foreign Bidder may submit a bid only if so stated in the **in**

the BDS.

- 5. Eligible Goods and Related Services** 5.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka Standards Institute (SLSI). In the absence of such standards, the Goods supplied shall be complied to other internationally accepted standards.

Contents of Bidding Documents

- 6. Sections of Bidding Documents** 6.1 The Bidding Documents consist of 2 Volumes, which include all the sections indicated below, and should be read in conjunction with any addendum issued in accordance with ITB Clause 8.

Volume 1

- Section I. Instructions to Bidders (ITB)
- Section VI. Conditions of Contract (CC)
- Section VIII. Contract Forms

Volume 2

- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms
- Section V. Schedule of Requirements
- Section VII. Contract Data
- Invitation For Bid

6.2 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.

7. Clarification of Bidding Documents

7.1 A prospective Bidder requiring any clarification of the Bidding Documents including the restrictiveness of specifications shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than ten (10) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have purchased the Bidding Documents, including a description of the inquiry but without identifying its source. 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 8.

8. Amendment of Bidding Documents

8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.

8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have purchased the Bidding Documents.

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

Preparation of Bids

9. Cost of Bidding

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

10. Language of Bid

10.1 The Bid, as well as all correspondence and documents relating to the Bid (including supporting documents and printed literature) exchanged by the Bidder and the Purchaser, shall be written in English language.

11. Documents Comprising the Bid

11.1 The Bid shall comprise the following:

- (a) Bid Submission Form and the applicable Price Schedules, in accordance with **ITB Clauses 12, 14, and 15;**
- (b) Bid Security or Bid-Securing Declaration, in

accordance with ITB Clause 20;

- (c) documentary evidence in accordance with ITB Clauses 18 and 29, that the Goods and Related Services conform to the Bidding Documents;
- (d) documentary evidence in accordance with ITB Clause 18 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and
- (e) any other document required in the BDS.

12. Bid Submission Form and Price Schedules

12.1 The Bidder shall submit the Bid Submission Form 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.

13. Alternative Bids

13.1 Alternative bids shall not be considered.

14. Bid Prices and Discounts

14.1 The Bidder shall indicate on the Price Schedule the unit prices and total bid prices of the goods it proposes to supply under the Contract.

14.2 Any discount offered against any single item in the price schedule shall be included in the unit price of the item. However, a Bidder wishes to offer discount as a lot the bidder may do so by indicating such amounts appropriately.

14.3 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the **BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction separately..

14.4 (i) Prices indicated on the Price Schedule shall include all duties and sales and other taxes already paid or payable by the Supplier:

- (a) on components and raw material used in the manufacture or assembly of goods quoted; or
- (b) on the previously imported goods of foreign origin

(ii) However, VAT shall not be included in the price but shall be indicated separately;

(iii) the price for inland transportation, insurance and other related services to deliver the goods to their final destination;

(iv) the price of other incidental services

14.5 The Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB Clause 31.

14.6 All lots, if any, and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.

15. Currencies of Bid

15.1 Unless otherwise stated in Bidding Data Sheet, the Bidder shall quote in Sri Lankan Rupees and payment shall be payable only in Sri Lanka Rupees.

16. Documents Establishing the Eligibility of the Bidder

16.1 To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.

17. Documents Establishing the Conformity of the Goods and Related Services

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

17.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description (given in Section V, Technical Specifications) of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.

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

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

18.1 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) 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;
- (b) that, if **required in the BDS**, in case of a Bidder not doing business within Sri Lanka, the Bidder is or will be (if awarded the contract) represented by an Agent in Sri Lanka equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

**19. Period of
Validity of Bids**

19.1 Bids shall remain valid until the date **specified in the BDS**. A bid valid for a shorter date shall be rejected by the Purchaser as non responsive.

19.2 In exceptional circumstances, prior to the expiration of the bid validity date, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 20, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid.

20. Bid Security

20.1 The Bidder shall furnish as part of its bid, a Bid Security or a Bid-Securing Declaration, as specified in the BDS.

20.2 The Bid Security shall be in the amount specified in the BDS and denominated in Sri Lanka Rupees, and shall:

- (a) at the bidder's option, be in the form of either a bank draft, a letter of credit, or a bank guarantee from a banking institution;
- (b) be issued by a institution acceptable to Purchaser. The acceptable institutes are published in the NPA website, www.npa.gov.lk.
- (c) be substantially in accordance with the form included

in Section IV, Bidding Forms;

- (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 20.5 are invoked;
 - (e) be submitted in its original form; copies will not be accepted;
 - (f) remain valid for the period specified in the BDS.
- 20.3 Any bid not accompanied by a substantially responsive Bid Security or Bid Securing Declaration in accordance with ITB Sub-Clause 20.1 and 20.2, may be rejected by the Purchaser as non-responsive.
- 20.4 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 43.
- 20.5 The Bid Security may be forfeited or the Bid Securing Declaration executed:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 19.2; or
 - (b) if a Bidder does not agree to correction of arithmetical errors in pursuant to ITB Sub-Clause 30.3
 - (c) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 42;
 - (ii) furnish a Performance Security in accordance with ITB Clause 43.

21. Format and Signing of Bid

- 21.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it as "ORIGINAL." In addition, the Bidder shall submit a copy of the bid and clearly mark it as "COPY." In the event of any discrepancy between the original and the copy, the original shall prevail.
- 21.2 The original and the Copy 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.
- 21.3 Any interlineations, erasures, or overwriting shall be valid

only if they are signed or initialed by the person signing the Bid.

Submission and Opening of Bids

- 22. Submission, Sealing and Marking of Bids**
- 22.1 Bidders may always submit their bids by mail or by hand.
- (a) Bidders submitting bids by mail or by hand, shall enclose the original and the copy of the Bid in separate sealed envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” These envelopes containing the original and the copy shall then be enclosed in one single envelope.
- 22.2 The inner and outer envelopes shall:
- (a) Bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 23.1;
- (c) bear the specific identification of this bidding process as indicated in the BDS; and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 261.
- If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.
- 23. Deadline for Submission of Bids**
- 23.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS.**
- 23.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 24. Late Bids**
- 24.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 23. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
- 25. Withdrawal, and Modification of Bids**
- 25.1 A Bidder may withdraw, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 22, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 21.2, (except that no copies of the

withdrawal notice are required). 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 21 and 22 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," or "MODIFICATION;" and
- (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 23.

25.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 25.1 shall be returned to the Bidders only upon notification of contract award to the successful bidder in accordance with sub clause 41.1..

25.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

26. Bid Opening

26.1 The Purchaser shall conduct the bid opening in public at the address, date and time **specified in the BDS**.

26.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid may be opened at the discretion of the Purchaser. 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. 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.

26.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, including any discounts and alternative offers; the presence of a Bid Security or Bid-Securing Declaration, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late bids, in accordance with ITB Sub-

Clause 24.1.

- 26.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, or modification; the Bid Price, per lot if applicable, including any discounts, and the presence or absence of a Bid Security or Bid-Securing Declaration. The bids that were opened shall be resealed in separate envelopes, promptly after the bid opening. The Bidders' representatives who are present shall be requested to sign the attendance sheet. A copy of the record shall be distributed to all Bidders who submitted bids in time.

Evaluation and Comparison of Bids

27. Confidentiality

- 27.1 Information relating to the examination, evaluation, comparison, and post-qualification (if applicable) 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.
- 27.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.
- 27.3 Notwithstanding ITB Sub-Clause 27.2, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, from the time of bid opening to the time of Contract Award, it should do so in writing.

28. Clarification of Bids

- 28.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, the Purchaser may, at its discretion, request any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered for purpose of evaluation. 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 30.

29. Responsiveness of Bids

- 29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 29.2 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 and Related Services specified in the Contract; 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 unfairly affect the competitive position of other bidders presenting substantially responsive bids.

29.3 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.

30. Nonconformities, Errors, and Omissions

30.1 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.

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

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

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

expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

30.4 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 or its Bid-Securing Declaration shall be executed.

31. Preliminary Examination of Bids

31.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.

31.2 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 Bid shall be rejected.

(a) Bid Submission Form, in accordance with ITB Sub-Clause 12.1;

(b) Price Schedules, in accordance with ITB Sub-Clause 12;

(c) Bid Security or Bid Securing Declaration, in accordance with ITB Clause 20.

32. Examination of Terms and Conditions; Technical Evaluation

32.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the CC and the **Contract Data** have been accepted by the Bidder without any material deviation or reservation.

32.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 17, to confirm that all requirements specified in Section V, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

32.3 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 29, the Purchaser shall reject the Bid.

33. Conversion to Single Currency

34.1 If the bidders are allowed to quote in foreign currencies in accordance with sub clause 15.1, for evaluation and comparison purposes, the Purchaser shall convert all bid prices expressed in foreign currencies in to Sri Lankan Rupees using the selling rates prevailed 28 days prior to closing of bids as published by the Central Bank of Sri Lanka. If this date falls on a public holiday the earliest working day prior to the date shall be applicable.

- 34. Domestic Preference** 34.1 Domestic preference shall be a factor in bid evaluation only if stated in the BDS. If domestic preference shall be a bid-evaluation factor, the methodology for calculating the margin of preference and the criteria for its application shall be as specified in Section III, Evaluation and Qualification Criteria.
- 35. Evaluation of Bids** 35.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 35.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in this ITB Clause 35.
- 35.3 To evaluate a Bid, the Purchaser shall consider the following:
- (a) the Bid Price as quoted in accordance with clause 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 30.3;
 - (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.2; and 14.3
 - (d) 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;
 - (e) adjustments due to the application of a domestic preference, in accordance with ITB Clause 34 if applicable.
- 35.4 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the factors stated in ITB Sub-Clause 35.3, if specified in BDS. 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
- 35.5 If so specified in the BDS, these Bidding Documents shall allow Bidders to quote 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.
- 36. Comparison of** 36.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance

Bids

with ITB Clause 35.

37. Postqualification of the Bidder

- 37.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 18.
- 37.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

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

- 38.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

Award of Contract

39. Award Criteria

- 39.1 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, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

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

- 40.1 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 V, Schedule of Requirements, provided this does not exceed twenty five percent (25%) or one unit which ever is higher and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.

41. Notification of Award

- 41.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.
- 41.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 41.3 Upon the successful Bidder's furnishing of the signed Contract Form and performance security pursuant to ITB Clause 43, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 20.4.

- 42. Signing of Contract**
- 42.1 Within Seven (7) days after notification, the Purchaser shall complete the Agreement, and inform the successful Bidder to sign it.
- 42.2 Within Seven (7) days of receipt of such information, the successful Bidder shall sign the Agreement.
- 43. Performance Security**
- 43.1 Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the CC, using for that purpose the Performance Security Form included in Section VIII Contract forms. The Employer shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 20.4.
- 43.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

Section VI. Conditions of Contract

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Section VI. Conditions of Contract

1. Definitions

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

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

- (l) “The Project Site,” where applicable, means the place named in the Contract Data.

2. Contract Documents

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

3. Fraud and Corruption

- 3.1 The Government of Sri Lanka requires the Purchaser as well as bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy:

(i) “corrupt practice” means offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

(ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, noncompetitive levels; and

(iv) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

4. Interpretation

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

- 4.2 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.

4.3 Amendment

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

4.4 Severability

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

5. Language

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

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

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

7. Eligibility

7.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka Standards Institute. In the absence of such standards, the Goods supplied shall be complied to other internationally accepted standards, such as British Standards.

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 **Contract Data**. The term “in writing” means communicated in written form with proof of receipt.

8.2 A notice shall be effective when delivered or on the

notice's effective date, whichever is later.

- 9. Governing Law** 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Democratic Socialist Republic of Sri Lanka.
- 10. Settlement of Disputes** 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the Arbitration Act No:11 of 1995.
- 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. Scope of Supply** 11.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
- 12. Delivery and Documents** 12.1 Subject to CC Sub-Clause 32.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. Where applicable the details of shipping and other documents to be furnished by the Supplier are specified in the **Contract Data**.
- 13. Supplier's Responsibilities** 13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with CC Clause 11, and the Delivery and Completion Schedule, as per CC Clause 12.
- 14. Contract Price** 14.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

- 15. Terms of Payment**
- 15.1 The Contract Price, shall be paid as specified in the **Contract Data**.
- 15.2 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 CC Clause 12 and upon fulfillment of all other obligations stipulated in the Contract.
- 15.3 Payments shall be made promptly by the Purchaser, but in no case later than twenty eight (28) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16. Taxes and Duties**
- 16.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17. Performance Security**
- 17.1 If required as specified in the **Contract Data**, the Supplier shall, within fourteen (14) days of the notification of contract award, provide a performance security of Ten percent (10%) of the Contract Price for the performance of the Contract.
- 17.2 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.
- 17.3 As specified in the **Contract Data**, the Performance Security, if required, shall be in Sri Lanka Rupees and shall be in the format stipulated by the Purchaser in the **Contract Data**, or in another format acceptable to the Purchaser.
- 17.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations.
- 18. Copyright**
- 18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
- 19. Confidential**
- 19.1 The Purchaser and the Supplier shall keep confidential and

Information

shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under CC Clause 19.

19.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.

19.3 The above provisions of CC Clause 19 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.

19.4 The provisions of CC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.

20. Subcontracting

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

20.2 Subcontracts shall comply with the provisions of CC Clauses 3 and 7.

21. Specifications and Standards

21.1 Technical Specifications and Drawings

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

(b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification

thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.

- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with CC Clause 32.

- 22. Packing and Documents** 22.1 The Supplier shall pack the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.
- 23. Insurance** 23.1 Unless otherwise specified in the **Contract Data**, the Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery.
- 24. Transportation** 24.1 Unless otherwise specified in the **Contract Data**, responsibility for arranging transportation of the Goods shall be a responsibility of the supplier.
- 25. Inspections and Tests** 25.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **Contract Data**.
- 25.2 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 as specified in the **Contract Data**. Subject to CC Sub-Clause 25.3, 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.
- 25.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in CC Sub-Clause 25.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 25.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The

Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

- 25.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 25.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 25.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to CC Sub-Clause 25.4.
- 25.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to CC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.

26. Liquidated Damages

- 26.1 Except as provided under CC Clause 31, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **Contract Data** 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 **Contract Data**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to CC

Clause 34.

27. Warranty

- 27.1 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.
- 27.2 Subject to CC Sub-Clause 21.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 27.3 Unless otherwise specified in the **Contract Data**, 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 **Contract Data**.
- 27.4 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.
- 27.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **Contract Data**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 27.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **Contract Data**, 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.

28. Patent Indemnity

- 28.1 The Supplier shall, subject to the Purchaser's compliance with CC Sub-Clause 28.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is

located; and

- (b) the sale in any country of the products produced by the Goods.

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

- 28.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in CC Sub-Clause 28.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- 28.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 28.4 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.
- 28.5 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.

29. Limitation of Liability

- 29.1 Except in cases of criminal negligence or willful misconduct,
 - (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs,

provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and

- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

30. Change in Laws and Regulations

30.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Sri Lanka that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with CC Clause 14.

31. Force Majeure

31.1 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.

31.2 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.

31.3 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.

32. Change Orders and Contract

32.1 The Purchaser may at any time order the Supplier through notice in accordance CC Clause 8, to make changes within

Amendments

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.

32.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

32.3 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.

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

33. Extensions of Time

33.1 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 CC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

33.2 Except in case of Force Majeure, as provided under CC Clause 31, 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 CC Clause 26, unless an extension of time is agreed upon, pursuant to CC Sub-Clause 33.1.

34. Termination

34.1 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 CC Clause 33;
 - (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 CC 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 CC Clause 34.1(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.

34.2 Termination for Insolvency.

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

34.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment

within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (i) to have any portion completed and delivered at the Contract terms and prices; and/or
- (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

35. Assignment

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

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1. Contract Agreement

THIS CONTRACT AGREEMENT is made

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

BETWEEN

- (1) The South Eastern University of Sri Lanka, a Higher Educational Institution and having its principal place of business at University Park, Oluvil (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., Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments 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:
 - (a) This Contract Agreement
 - (b) Contract Data
 - (c) Conditions of Contract
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
 - (e) The Supplier’s Bid and original Price Schedules
 - (f) The Purchaser’s Notification of Award
 - (g) Bids submission form
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 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 *Democratic Socialist Republic of Sri Lanka* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*

in the capacity of Vice Chancellor, South Eastern University of Sri Lanka, Oluvil
in the presence of

For and on behalf of the Supplier

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

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

in the presence of *[insert identification of official witness]*

2. Performance Security

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

----- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* -----

Beneficiary: Vice Chancellor, South Eastern University of Sri Lanka, University Park, Oluvil # 32360.

Date: -----

PERFORMANCE GUARANTEE No.: -----

We have been informed that ----- *[name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. ----- *[reference number of the contract]* dated ----- with you, for the Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments (hereinafter called "the Contract").

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

At the request of the Supplier, we ----- *[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (-----) *[amount in words]*, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of, 20.. *[insert date, three years beyond the scheduled completion date]* and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

3. Guarantee for Advance Payment

[The issuing agency, 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]*
ICB No. and title: *[insert number and title of bidding process]*

[Issuing agency's letterhead]

Beneficiary: Vice Chancellor, South Eastern University of Sri Lanka, University Park, Oluvil # 32360.

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

We, *[insert legal name and address of issuing agency]*, 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 Agreement]* with you, for the Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments

(Hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance 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)¹ 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 on 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 date²]*.

[signature(s) of authorized representative(s) of the issuing agency]

¹ The bank shall insert the amount(s) specified in the CONTRACT DATA and denominated, as specified in the CONTRACT DATA, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

² 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. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "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."

VOLUME II

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Section II. Bidding Data Sheet (BDS)

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

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is ³ : SOUTH EASTERN UNIVERSITY OF SRI LANKA
ITB 1.1	The name and identification number of the Contract are ⁴ : Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments. SEU/SS/2016/02
ITB 2.1	The source of funding is ⁵ : GOSL
ITB 5.1	Apart from the instruction given in this clause, goods supplied under this contract shall be of satisfactory quality and fit for laboratory purpose. The goods shall be of reputed brands originate from the manufacturers in European countries, Japan, USA, Malaysia, Korea, Singapore, Australia, New Zealand, Canada and should have good track records in market for minimum 5 years or the bidder shall submit documentary evidence to prove the goods are of substantially equivalent quality.
	B. Contents of Bidding Documents
ITB 7.1	For Clarification of bid purposes only, the Purchaser's address is: Attention ⁶ : Mr C.M.Wanniarachchi Address ⁷ : Senior Assistant Bursar, South Eastern University of Sri Lanka, Oluvil # 32360 Telephone: 067 22 55178 Facsimile number: 067 22 55178 Electronic mail address: mangala@seu.ac.lk
ITB 7.2	Further to the instruction in 7.1 in above, the pre bid meeting is scheduled to be held on 11.00 a.m., 21 st June 2016 at the Boardroom -

³ insert **complete** legal name of the Procuring Entity

⁴ insert title of procurement and bid number reference of the Procuring Entity

⁵ insert the source of funding such as GOSL, World Bank, Asian Development Bank etc

⁶ insert name and designation of the Officer responsible for clarifications e.g. Head of the Procurement Division if any]

⁷ insert floor and room number, if applicable

	2, Ground Floor, Administrative Building. The bidders are advisable to participate the pre-bid meeting.																		
	C. Preparation of Bids																		
ITB 15.1⁸	The bidder shall quote the local expenditure in Sri Lankan Rupees.																		
ITB 18.1 (b)	After sales service is: Required																		
ITB 19.1⁹	The bid shall be valid until 31st October 2016 .																		
ITB 20.1	Bid shall include a Bid Security (issued by bank) included in Section IV Bidding Forms																		
ITB 20.2¹⁰	<p>The amount of the Bid Security shall be¹¹:</p> <table border="1"> <thead> <tr> <th><u>Packages</u></th> <th><u>Amount (Rs)</u></th> </tr> </thead> <tbody> <tr> <td>Package - 1</td> <td>80,000.00</td> </tr> <tr> <td>Package - 2</td> <td>30,000.00</td> </tr> <tr> <td>Package - 3</td> <td>40,000.00</td> </tr> <tr> <td>Package - 4</td> <td>160,000.00</td> </tr> <tr> <td>Package - 5</td> <td>30,000.00</td> </tr> <tr> <td>Package - 6</td> <td>100,000.00</td> </tr> <tr> <td>Package - 7</td> <td>200,000.00</td> </tr> <tr> <td>Package - 8</td> <td>40,000.00</td> </tr> </tbody> </table> <p>The validity period of the bid security shall be until 31st October 2016</p>	<u>Packages</u>	<u>Amount (Rs)</u>	Package - 1	80,000.00	Package - 2	30,000.00	Package - 3	40,000.00	Package - 4	160,000.00	Package - 5	30,000.00	Package - 6	100,000.00	Package - 7	200,000.00	Package - 8	40,000.00
<u>Packages</u>	<u>Amount (Rs)</u>																		
Package - 1	80,000.00																		
Package - 2	30,000.00																		
Package - 3	40,000.00																		
Package - 4	160,000.00																		
Package - 5	30,000.00																		
Package - 6	100,000.00																		
Package - 7	200,000.00																		
Package - 8	40,000.00																		
	D. Submission and Opening of Bids																		
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks ¹² : Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments.																		
ITB 21.2	The written confirmation of authorization to sign on behalf of the bidder shall consist of letter of power of attorney of authorizing showing the name, position and signature of the person giving the authority and the person to whom the authority is given and authenticated by the company's seal, if not the bid submitted is treated as non responsive and the bid shall be rejected.																		

⁸ Delete if *the bidders are not allowed to quote in currencies other than Sri Lankan Rupees*

⁹ *insert day, month, and year, i.e. 16 September, 2006*

¹⁰ Delete if BDS ITB 20.1 (b) is selected

¹¹ *[insert amount*

¹² *insert the name and/or number that must appear on the bid envelope to identify this specific bidding process*

ITB 23.1	<p>For bid submission purposes, the Purchaser's address is: Attention¹³: The Chairman Address¹⁴: Department Procurement Committee (Major), South Eastern University of Sri Lanka, University Park, Oluvil # 32360</p> <p>The deadline for the submission of bids is: Date¹⁵: 30th June 2016 Time¹⁶: 2.00 PM</p>
-----------------	--

ITB 26.1	<p>The bid opening shall take place at: Address: Board Room-2, Ground Floor, Administrative Building South Eastern University of Sri Lanka, University Park, Oluvil # 32360 Date: 30th June 2016 Time: 3.30 PM</p>
E. Evaluation and Comparison of Bids	
ITB 14.3	Bidder can submit bid for even single item in each packages and 100% of the quantities for each item in same packages.
ITB 31	Bidder shall provide the all the documents requested in ITB 11. Incomplete bids shall be rejected.
ITB 34.1	Domestic preference shall not be a bid evaluation factor.
ITB 35.3 d	(a) option 2 Applicable (b) Not applicable (c) Not applicable
ITB 35.4	Not applicable
ITB 35.5	Bidders are allowed to quote for one or more packages and the selected bidder will be awarded for multiple packages.
ITB 37.2	Bidder shall provide all the details requested.

¹³ insert full name and the designation of the officer in charge

¹⁴ insert floor and room number, if applicable] [important to avoid delays or misplacement of bids

¹⁵ insert date, month, and year, i.e. 15 September, 2006

¹⁶ insert time, and identify if a.m. or p.m., i.e. 10:30 a.m

Section III. Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

[The Purchaser shall select the criteria deemed appropriate for the procurement process, insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]

Contents

1. Evaluation Criteria (ITB 35.3 {d})
2. Evaluation Criteria (ITB 35.4)
3. Multiple Contracts (ITB 35.5)
4. Domestic Preference (ITB 34.1)
5. Postqualification Requirements (ITB 37.2)

1. Evaluation Criteria (ITB 35.3 (d))

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14, one or more of the following factors as specified in ITB Sub-Clause 35.3(d) and in BDS referring to ITB 35.3(d), using the following criteria and methodologies.

- (a) Delivery schedule¹⁷

Option 1

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section VI, Delivery Schedule. No credit will be given to deliveries before the earliest date, and bids offering delivery after the final date shall be treated as non responsive. Within this acceptable period, an adjustment, as specified in BDS Sub-Clause 35.3(d), will be added, for evaluation purposes only, to the bid price of bids offering deliveries later than the "Earliest Delivery Date" specified in Section VI, Delivery Schedule.

Option 2

The goods covered under this invitation are required to be delivered within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as non responsive. Within this acceptable range, an adjustment per week, as specified in the **Bid Data Sheet**, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

Option 3

The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the **Bid Data Sheet**, of price per week of variation from the specified delivery schedule.

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

- (i) *Bidders shall state their bid price for the payment schedule outlined in the Contract Data. 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*

¹⁷ Insert one of the following options.

Bidder selected on the basis of the base price for the payment schedule outlined in the Contract Data.

OR

- (ii) *The Contract Data stipulate the payment schedule 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 Contract Data, at the rate per annum specified in BDS Sub-Clause 35.3 (d).*
- (c) 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 the BDS Sub-Clause 17.3, 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. Add quantities*

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 the BDS Sub-Clause 17.3. 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.*
- (d) Specific additional criteria

Other specific additional criteria to be considered in the evaluation, and the evaluation method shall be detailed in BDS Sub-Clause 35.3(d)]

2. Evaluation Criteria (ITB 35.4) (describe the methodology)

3. Multiple Contracts (ITB 35.5)

The Purchaser shall award multiple contracts to the Bidder that offers the lowest evaluated combination of bids (one contract per bid) and meets the post-qualification criteria (this Section III, Sub-Section ITB 37.2 Post-Qualification Requirements)

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 14.8
- I. (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”

3. Postqualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the postqualification of the Bidder in accordance with ITB Clause 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder’s qualifications.

(a) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

- 1) *Audited financial statements for last 03 years.*
- 2) *Certified copies of Bank statements for each month for last year.*

The prospective renderers should be financially sound and should have all the resource at their disposal to successfully carry out the Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments.

(b) Experience and Technical Capacity

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

1. *Documentary evidence detailing the institutions supplied & contact person and they should be supported with letter from the relevant institutions (Head of institutions) for all Packages.*
2. *The bidder must have supplied the same nature items at least for the Universities, technical colleges, other government institutions and reputed private sector institutions. Preference shall be given for the bidders who have supplied same nature to universities, technological colleges, other government institutions and reputed private sector institutions respectively.*
3. *The bidder shall provide documentary evidence and details of their key technical & managerial staffs. If consultants/ experts are not in their permanent carder, the bidder shall provide documentary evidence received from them to prove their engagement with bidder*
4. *Certified copy of business registration.*

5. The prospective tenderers should have minimum of 10 years experience in Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments who have already undertaken and executed a similar contract for universities and government organization or reputed firm.
- (c) The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement:
1. *Bidder shall provide manufacturer's inspection certificate / data sheet and supplier's calibration certificates provided by local authorities for all Packages the same shall be provided where necessary.*
 2. *Bidder shall provide relevant safety certificates and ISO certification for items where necessary.*

4. Domestic Preference (ITB 34.1)

If the Bidding Data Sheet so specifies, the Purchaser will grant a margin of preference to goods manufactured in Sri Lanka for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs.

Bids will be classified in one of three groups, as follows:

- (a) **Group A:** Bids offering goods manufactured in Sri Lanka, for which (i) labor, raw materials, and components from within Sri Lanka account for more than thirty (30) percent of the price quoted; 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

All evaluated bids in each group will then be compared to determine the lowest evaluated bid of 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, it shall be selected for the award.

If, as a result of the preceding comparison, the lowest evaluated bid is from Group B, all Group B bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of goods offered in the bid for Group B, for the purpose of further comparison only an amount equal to % of the bid price¹⁸:

¹⁸ For GOSL funded projects select 20 and WB or ADB funded project select 15

Section IV. Bidding Forms

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Manufacturer's Authorization	63

Bid Submission Form

[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 (as day, month and year) of Bid Submission]*

No.: SEU/SS/2015/02

To: The Chairman
Department Procurement Committee (Major)
South Eastern University of Sri Lanka
University Park
Olivil # 32360

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services

Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments.

<u>Package</u>	<u>Amount (Rs.)</u>
Package – 01
Package – 02
Package – 03
Package – 04
Package – 05
Package – 06
Package – 07
Package – 08
Total Bid Price (Exclusive of VAT)

- (c) The total price of our Bid without VAT, including any discounts offered is: *[insert the total bid price in words and figures]*;
- (d) The total price of our Bid including VAT, and any discounts offered is: *[insert the total bid price in words and figures]*;

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- (h) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (k) 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.
- (l) 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 Form]*

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

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

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

PRICE SCHEDULE

1	2	3	4	5	6	7	8	9	10
Goods and related Services offered within Sri Lanka (in Sri Lankan Rupees)									
Item No.	Description of Goods or related services	Qty and unit	Unit price (inclusive of duties, sales and other taxes) Excluding VAT	Price (Col. 3x4)	Inland transportation, insurance and other related services to deliver the goods to their final destination if not included under column 4	Total Price Excluding VAT (Col 5+6)	Discounted Total price (if any) excluding VAT	VAT	Total Price Including VAT (Col. 7 or 8+9)
Equipments for Fluid Machinery									
Package – 1									
1	Reciprocating pumps	02 Nos							
2	Gear pump	01 No							
3	Vane pump	01 No							
4	Domestic water pump	01 No							
5	Deep-well kit	01 No							
6	Peripheral pump	01 No							
7	Standard Ram pump	01 No							
8	Propeller unit which can be operated as a pump	01 No							
9	Bore hole pumps	02 Nos							
10	Sludge / Sewer pump	01 No							
11	Submersible Fountain pump	01 No							
12	A Pelton turbine and a Turgo Impulse turbine	01 No							

Equipments for Machine dynamics and controls**Package – 3**

1	Whirling of Shafts Apparatus	01 No							
2	Transverse Vibration of a Beam	01 No							
3	Three Term control (Level / Flow or Temperature) Apparatus	01 No							
	Sub Total								

Equipments for Automobile Engineering**Package – 4**

1	Engine dynamometer, An engine dynamometer	01 No							
2	A complete four cylinder automotive gasoline engine to be tested on the engine dynamometer	01 No							
3	A complete four cylinder automotive diesel engine to be tested on the engine dynamometer	01 No							
4	Gasoline emission tester with facilities to measure CO and HC concentrations	01 No							
5	Diesel emission tester with facilities to measure the K factor	01 No							
6	Complete four cylinder diesel engines for disassembly and assembly	02 Nos							
7	Complete distributor type diesel fuel injection pumps for disassembly and assembly	02 Nos							
8	Complete in-line type diesel fuel injection pumps for disassembly and assembly	02 Nos							
9	Gasoline engine simulator	01 No							
10	Engine analyzer -OTC scanner	01 No							
11	Alternator test stand	01 No							

12	Diesel fuel injection nozzle testing machine	01 No							
13	Automatic Transmission Oil Change Machine	02 Nos							
14	Battery Starter and Charger	02 Nos							
15	Hydraulic Pressure Unit or Hydraulic Shop Press	02 Nos							
16	Compressor Gauge	02 Nos							
17	Compressor Bore Gauge	02 Nos							
18	Vehicle Break Test Machine – for Testing Performance for Heavy & light Vehicles								
	a. Break Tester	02 Nos							
	b. Suspension Tester	02 Nos							
	c. Sideslip Tester	02 Nos							
19	Vehicle Body Repair Kit	02 Nos							
20	Hydraulic Ramp (2 post Electro Hydraulic Vehicle Lift)	02 Nos							
21	Wheel Alignment	02 Nos							
22	Tyre Remove Unit	02 Nos							
23	Head Light Setting Board (Headlight Aiming Board & Swing Frame) OR Head Light Beam Aligner	02 Nos							
	Sub Total								

Equipments for Mechatronics**Package – 7**

1	Oscilloscope	10 Nos								
2	Digital Multimeter	10 Nos								
3	Function Generator	50 Nos								
4	Breadboard Programmable Logic Controllers (PLCs)	100 Nos								
5	S7-1200 Starter kit	02 Nos								
6	S7-200 - CPU 224	02 Nos								
7	SIMATIC S7-200 Signal/ Function modules	02 Nos								
8	Positioning Module EM 253	01 No								
9	Weighing Module SIWAREX MS	01 No								
10	Thermocouple Module EM 231	01 No								
11	Thermo resistor Module EM 231 RTD	01 No								
12	Modem module EM 241	01 No								
13	GSM/GPRS modem SINAUT MD720-3	01 No								
14	SITOP smart power supply	05 Nos								
15	NI ELVIS Control Design Academic Information Kit	01 No								
16	Wireless Sensor Network (WSN) Starter Kit	01 No								
17	Quanser Engineering Trainers for NI ELVIS (QNET Mechatronic Sensors)	01 No								
18	6-Axis Robo Arm	01 No								

19	Robotics Starter Kit (DaNI) for Education	01 No							
20	ELVIS: Educational Design and Prototyping Platform	01 No							
21	KITSTARTER2EVM: Sensor Toolbox Starter Kit 2	02 Nos							
22	Workstation systems - Learn line mobile	01 No							
23	Equipment set TP 801: Basics of servo motor drive technology	01 No							
24	24-Bit Universal Analog Input	01 No							
25	4 Ch Universal Module for USB, Ethernet, or 802.11 Wi-Fi	01 No							
26	Compact Field Point	01 No							
27	Microcontroller (MCU) Student Learning Kit	10 Nos							
28	DC power supply	02 Nos							
29	Workstation	02 Nos							
30	Touch panel computer	02 Nos							
31	Desktop Computer	10 Nos							
32	Lab VIEW Professional Development System	10 Nos							
33	MATLAB and Simulink	10 Nos							
34	SIMATIC STEP 7-Micro/WIN	10 Nos							
35	Robotics simulator	10 Nos							
36	ANSYS Simulation software	10 Nos							
	Sub Total								

**Equipments for Introduction to Agricultural Engineering
Package – 8**

1	Measurement of temperature, relative humidity, solar intensity and air flow in the field and plot variation during the day.	01 Set							
2	Observation of growth of a plant in the field under two conditions: NPK and compost feeding.	01 Set							
3	Observation of a growth of plant under rain-fed, drip-irrigated, pot irrigated and sprinkler irrigated systems.	01 Set							
4	Study of soil erosion under sprinkler irrigation under: exposed ground, with mulching (live and dead), canopy cover provided by plants.	01 Set							
5	Study soil microorganism under application of chemical fertilizers and organic fertilizers.	01 Set							
6	Testing a wood-fired hearth of three different designs (three-stone hearth, five-stone hearth, Anagi improved stove) using two different sizes of wood	01 Set							
	Sub Total								
	Total								

Authorized Officer's Signature:

Authorized Officer's Name:

Name of the Company:

Bid Guarantee

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- *[insert issuing agency's name, and address of issuing branch or office]* -----

Beneficiary: Vice Chancellor, South Eastern University of Sri Lanka, Oluvil

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No.: ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. SEU/SS/2016/02 ("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 issuing agency]* 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; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by 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 that the Bidder was unsuccessful, otherwise it will remain in force up to ----- *(insert date)*

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

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

Bid-Securing Declaration

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

Date: ----- *[insert date by bidder]*

*Name of contract: Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments.

Invitation for Bid No.: SEU/SS/2016/02

*To: Vice Chancellor, South Eastern University of Sri Lanka, Oluvil

We, the undersigned, declare that:

1. We understand that, according to instructions to bidders (hereinafter “the ITB”), bids must be supported by a bid-securing declaration;
2. We accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years* starting on *the latest date set for closing of bids of this bid*, if we:
 - (a) withdraw our Bid during the period of bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
3. We understand this bid securing shall expire if we are not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful; or (ii) twenty-eight days after the expiration of our bid.
4. We understand that if we are a JV, the Bid Securing Declaration must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed *[insert signature(s) of authorized representative]* In the Capacity of *[insert title]*

Name *[insert printed or typed name]*

Duly authorized to sign the bid for and on behalf of *[insert authorizing entity]*

Dated on *[insert day]* day of *[insert month]*, *[insert year]*

Manufacturer's Authorization

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

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

To: Vice Chancellor
South Eastern University of Sri Lanka
University Park
Olivil # 32360

WHEREAS

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

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

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

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

Title: *[insert title]*

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

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

Section V. Schedule of Requirements

Contents

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Notes for Preparing the Schedule of Requirements

The Schedule of Requirements 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 Requirements 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 Requirements, 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 41.

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', 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

Serial No	Description of Goods	Quantity	Final (Project Site) Destination as specified in BDS	Delivery Date	Bidders response (Please specify the days)
01	Package – 01	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
02	Package – 02	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
03	Package – 03	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
04	Package – 04	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
05	Package – 05	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
06	Package – 06	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
07	Package – 07	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	
08	Package – 08	As in the price schedule	Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka	Within 75 - 90 days	

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 take 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, and 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 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 substantially equivalent.” When other particular standards or codes of practice are referred to in the TS, a statement should follow other authoritative standards that ensure at least a substantially equal quality, then the standards mentioned in the TS will also be acceptable.*
- *Reference to brand names and catalogue numbers should be avoided as far as possible; where unavoidable the words “or at least equivalent” shall always follow such references.*
- *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 thereon.*
 - (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 to 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.

TECHNICAL SPECIFICATIONS

[The bidder shall fill the last three columns given below. Bidder's failure to provide the information requested in these columns may be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder below and the other technical information attached to the bid, the information provided herein shall take precedence.]

3.1 Supply, delivery, installation and maintenance of mechanical engineering laboratory equipments.

Items No	Specification	Nos	Conformity		If no, Bidder's response
			Yes	No	
Equipments for Fluid Machinery Package – 1					
1	<p>Reciprocating pumps: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Single acting – 6” x 1” or larger, Double acting 8” x 1” or larger, complete with valves and couplings etc <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
2	<p>Gear pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Gear pump that can be directly coupled to an electric motor, having gears of diameter 3” (or more) and width ¾” (or more). [Specifications given are approximate]. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

3	<p>Vane pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • 4" diameter x 3/4" (or more). [Specifications given are approximate]. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
4	<p>Domestic water pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Domestic water pump closely (integrally) coupled with a single phase AC motor (220 – 240 V and, = or > 500 W), capable of pumping to a head of 20 m or more. [An Inverter capable of producing AC of frequency from 5 to 60 Hz and to suit the maximum power input of the motor should be included with the unit]. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
5	<p>Deep-well kit: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Deep-well kit to suit the pump unit specified <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

6	<p>Peripheral pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Peripheral pump: type used for domestic water supply coupled with a single phase electric motor(220 to 240 V) of capacity not less than 300 W and an inverter as specified in 5 above. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
7	<p>Standard Ram pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Standard Ram pump used in agriculture (but an actual operating unit). <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
8	<p>Propeller unit which can be operated as a pump as well as a turbine: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Propeller unit which can be operated as a pump as well as a turbine. Preferred 100 mm (or more) diameter. Tube must incorporate a transparent section of length at least 250 mm so that the propeller vanes and the flow is clearly visible. Facility should also be available to inject a dye from either side of the propeller. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				

9	<p>Bore hole pumps Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Bore hole pumps: both reciprocating and multi-stage centrifugal (electrically driven) pump each of diameter 100 mm or more. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
10	<p>Sludge / Sewer pump Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Sludge / Sewer pump complete with electrical motor and switch gear. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
11	<p>Submersible Fountain pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Submersible Fountain pump able to deliver a jet of head 2.5 m or more <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
12	<p>A Pelton turbine and a Turgo Impulse turbine Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • A Pelton turbine and a Turgo Impulse turbine, both 250 W or more, and of diameter 				

	<p>250 mm or more, complete with spear (needle) valves for flow control and facility to couple a belt drive as well as direct coupling with a generator. Casings must be with transparent sides and tops so that the buckets, wheel and the water jet must be clearly visible.</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
13	<p>Laboratory type Francis turbine with flow control vanes Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Laboratory type Francis turbine with flow control vanes, with facility to couple to a dynamometer / generator, and a draft tube. At least part of the casing should be transparent so that the flow through the turbine can be clearly observed <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
14	<p>Laboratory type Kaplan turbine with transparent casing Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Laboratory type Kaplan turbine with transparent casing so that the vanes and the flow can be observed, or alternately Kaplan turbine head only – which can be coupled (of same size) to the propeller unit (specified in 8 above). Facilities should be available for coupling with a dynamometer and / or generator. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

15	<p>Cross-flow (Banky) turbine Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Cross-flow (Banky) turbine of capacity 250 W or more, and of diameter 150 mm and length 150 mm, with a casing at least partly transparent (and with facility to illuminate the runner) so that the runner and flow through runner will be clearly visible. Flow control should have at least two separately controllable sections of lengths 1:2 ratio <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
16	<p>Centrifugal pump / Induction motor unit Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Centrifugal pump / Induction motor unit, of 500W capacity (220 – 240 V, AC) with a specified head between 15 to 20 m. Set of capacitors and a bulb load set of 500 W (made of 25 W, 40 W, 75 W and 100 W bulbs) complete with switches, Volt meter, Ammeter, (or a Watt meter). Instead of the bulb load a variable water or Air load may also be used <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
17	<p>Complete sets of Spanners Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Complete sets of Spanners (Open ended, Ring, and socket), Shifters covering range from 6 mm to 25 mm, Flat end screw drivers (length 100 mm to 200 mm), Philip Screw Drivers 				

	<p>(100mm to 200mm), Pliers (6" and 8"), 6" vice, 2 hammers (1/2 kg and 1 kg), Tester.</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 01 Year <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
18	<p>Water supply for testing Turbines Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Water supply for testing Turbines: This could either be a tank of capacity 10,000 liters (or more) and of height 20 m (or more), or at least two sets of High capacity pumps [5 kW, Head 20 m (or more) at a flow rate (Q) 100 liters/min], Tank (circular or rectangular) could be of fiber-glass, plastic or any other suitable material <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
19	<p>Flow measuring devices Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Flow measuring devices: V-notch or Rectangular weirs (these may be fabricated in the university workshops) and / or Orifice devices. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
20	<p>Tachometers Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Tachometers – Non contact type etc. 				

	<ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
21	<p>Range of Pressure gauges Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Range of Pressure gauges (including suction pressure). 0-25MPa <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
22	<p>Dynamometers Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Dynamometers (simple belt type) or electronic. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
23	<p>Range of PVC pipes and valves Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Range of PVC pipes and valves. <ul style="list-style-type: none"> • Warranty Period required: Minimum 01 Year <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
24	<p>High definition Video camera of high speed Country of Origin Country of Manufacture Model</p>				

	<ul style="list-style-type: none"> • High definition Video camera of high speed (frame rate) suitable for investigation of moving objects. <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
Equipments for HVAC					
Package – 2					
1	<p>Heat Pump: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Laboratory scale Heat Pump unit with water cooled condenser and thermostatic expansion device with appropriate controls and measuring accessories. Components of a Heat Pump unit namely condenser/evaporator, compressors (open, semi open, hermetic), expansion devices (Automatic, Thermostatic, High/Low Floating valves) <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
2	<p>Split Air-conditioning Unit: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Split Air-conditioning Unit (For practical Purpose) <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
3	<p>Air-conditioning Trainer Unit: Country of Origin Country of Manufacture Model</p>				

	<ul style="list-style-type: none"> • Laboratory scale Air-conditioning trainer unit that represents the layout of an all air system with a direct expansion system. The system should be equipped with multi speed supply fan, different expansion devices to simulate different operating scenarios. Other accessories to measure thermodynamic parameters <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
Equipments for Machine Dynamics and Controls Package – 3					
1	Whirling of Shafts Apparatus: Country of Origin Country of Manufacture Model <ul style="list-style-type: none"> • The apparatus should have a shaft driven by a variable speed motor through a flexible coupling capable of demonstrating whirling while carrying a single load/disc. Digital display of the rotational speed should be provided. The shaft should be at least 1 m in length and appropriately supported with variable spacing at nodal points. Adequate safety measures should be built in to prevent any accident to users. Two additional sets of shafts with different diameters and corresponding rotors should be provided. The flexible coupling should be able to prevent any restraint from the drive to the shaft. Power supply 220/240 V 50 Hz. <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
2	Transverse Vibration of a Beam: Country of Origin Country of Manufacture Model				

	<ul style="list-style-type: none"> • The apparatus should have a beam of uniform rectangular cross section supported at the ends which can be excited to vibrate in the transverse plane. The length of the beam should be at least 500mm. The exciter should be able to vary the frequency smoothly from zero to a value over and above the resonance frequency of the beam and the frequency is to be displayed digitally. The apparatus should be equipped to record the amplitudes of vibration at the points of loading. The beam should have facility to be loaded separately at different points along its length. Power supply 220/240 V 50 Hz. Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
3	<p>Three Term control (Level / Flow or Temperature) Apparatus: Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • The apparatus should provide the learners the opportunity to investigate the effects of a change of controller parameters (proportional band, integral action and derivative time) on the control capability of the system. The unit should be made up of typical items of control equipment currently used in industrial applications. The control system should be able to maintain a process variable such as level, flow or temperature at a preset (adjustable) value. • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

**Equipments for Automobile Engineering
Package – 4**

<p>1</p>	<p>Engine Dynamometer, An engine dynamometer. Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Minimum power rating 75 kW • equipped with devices to measure torque, • equipped with devices to measure speed, • equipped with devices to measure fuel flow, • equipped with devices to measure intake air flow and temperature, • equipped with devices to measure exhaust gas temperature <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
<p>2</p>	<p>A complete four cylinder automotive gasoline engine to be tested on the engine dynamometer Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Any gasoline engine that meet Sri Lanka emission standards for automobiles. • with a cooling system • with the starting system • engine displacement in the range of 1.3litre – 1.6 liter <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				

3	<p>A complete four cylinder automotive diesel engine to be tested on the engine dynamometer Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Any diesel engine that meet Sri Lanka emission standards for automobiles. • with a cooling system • with the starting system • engine displacement in the range of 1.8litre – 2.5 liter <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
4	<p>Gasoline emission tester with facilities to measure CO and HC concentrations Country of Origin Country of Manufacture Model</p> <p>Gasoline emission tester with facilities to measure CO and HC concentrations</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
5	<p>Diesel emission tester with facilities to measure the K factor Country of Origin Country of Manufacture Model</p> <p>Diesel emission tester with facilities to measure the K factor</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				

6	<p>Complete four cylinder diesel engines for disassembly and assembly Country of Origin Country of Manufacture Model</p> <p>Complete four cylinder diesel engines for disassembly and assembly</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
7	<p>Complete distributor type diesel fuel injection pumps for disassembly and assembly Country of Origin Country of Manufacture Model</p> <p>Complete distributor type diesel fuel injection pumps for disassembly and assembly</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
8	<p>Complete in-line type diesel fuel injection pumps for disassembly and assembly Country of Origin Country of Manufacture Model</p> <p>Complete in-line type diesel fuel injection pumps for disassembly and assembly.</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
9	<p>Gasoline engine simulator Country of Origin Country of Manufacture Model</p> <p>Any gasoline engine that meet Sri Lanka emission standards for automobiles</p>				

	<p>with a cooling system with the starting system engine displacement in the range of 1.3litre – 1.6 liter engine should be mounted on a test stand with facilities to connect a multi-meter or a scanner to the (Electronic Control Unit) ECU inputs and outputs</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
10	<p>Engine analyzer -OTC scanner Country of Origin Country of Manufacture Model</p> <p>Engine analyzer -OTC scanner</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
11	<p>Alternator test stand Country of Origin Country of Manufacture Model</p> <p>Alternator test stand – an alternator connected to a variable speed drive with facilities to measure the output voltage and current</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
12	<p>Diesel fuel injection nozzle testing machine Country of Origin Country of Manufacture Model</p> <p>Diesel fuel injection nozzle testing machine.</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				

13	<p>Automatic Transmission Oil Change Machine</p> <p>Country of Origin Country of Manufacture Model</p> <p>Dual pump for Used / New fluid. Two transparent glass indicators show the condition of injection and suction fluids. In-line filter guarantees only clean fluids being injected to the transmission system. Used fluid could be directly released into disposal tank or container for recycling. Each fluid hoses colored differently in accordance with their usage so, operator can easily and quickly set up the proper connection. Applicable to all kind of vehicles.</p> <p>Technical Specifications</p> <p>Electric Power Cable VCTF3*0.75*2M Motor 200W/4P/240V/50Hz(DUAL PUMP) The capacity of pumps 7.2ℓ/min The capacity of tanks 20ℓ Converter Cleaning Style External oil filter Filter Standard Oil Filter of Passenger Car Dimensions 380(W)*960(H)*472(D) Net Weight 50kg Power Supply AC 220/240V 50/60Hz</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
14	<p>Battery Starter and Charger</p> <p>Country of Origin Country of Manufacture Model</p> <p>Brief: 30A adopts Iu-Ia charging curves with programmable intelligent control and</p>				

<p>high efficiency for charging. It can activate the damaged battery by Equalization function. The battery can reach an excellent state and prolong the battery life. It can stop automatically when the battery finish charging.</p> <p>Specification:</p> <p><i>Working time (08 to 11 hours)</i> : charging time depends on the charging current, the rated capacity, and discharging level.</p> <p><i>Low voltage protection</i> : when battery voltage falls below the setted minimum, the charger refused to charge</p> <p><i>Overvoltage, Overcurrent Protection</i> : When battery voltage, current is abnormal, the charger refused to charge</p> <p><i>Overheat protection</i> : the overheating of the charger can lead the charger not to work</p> <p><i>Equalization charging</i> : the charger run to equalization charging automatically after 15 cycle charging</p> <p>Model : 30A</p> <p>Power Supply : 1ph 110/220V 50/60Hz</p> <p>Max Charging Current : 30A</p> <p>Battery Capacity : 45-450 Ah</p> <p>For battery Voltage : 12V, 24V</p> <p>Output Voltage : 9 – 30V</p> <p>Insulation Level : H IP21</p> <p>Cable with Clamp : 25mm²</p> <p>Wheels : 02 nos</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
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15	<p>Hydraulic Pressure Unit or Hydraulic Shop Press</p> <p>Country of Origin Country of Manufacture Model</p> <p>Specification:</p> <p>Capacity - 20 TON Storke - 150mm Product Size - 690x670x1500 mm Net Weight - 72 kgs Gross Weight - 102 kgs Package size - 1610x660x260 mm Qty of Parts - 82 pcs</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
16	<p>Compressor Gauge</p> <p>Country of Origin Country of Manufacture Model</p> <p>(I) Diesel - Specification:</p> <ul style="list-style-type: none"> • 12 pcs Diesel Engine Compression Tester Kit for both Direct & Indirect Injection Engine <ul style="list-style-type: none"> ○ Pressure Scale 0 – 1000Psi / 0 – 70 bar ○ Gauge 2 – 9/16” Diameter / 2 – 5/8” bezel diameter 1 – 1/8 deep ○ Thump button air release ○ Max working pressure 1000Psi ○ Hose size 15/16” x 16” long <p>(II) Petrol - Specification:</p> <ul style="list-style-type: none"> • Petrol Engine Compression Tester Kit for both Direct & Indirect 				

	<p>Injection Engine (* check values and ring wear, excessive carbon and late timing for petrol engine)</p> <ul style="list-style-type: none"> • 02 spare plug adapters to test more vehicles for 16mm and 21mm spark plugs • 21/2" / 64mm diameter gauge • Dual scale 0 – 300lbs and 0 – 21 kg • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
17	<p>Compressor Bore Gauge (Engine cylinder bore dial indicator gauge 2" to 6" incase 0.0005")</p> <p>Country of Origin Country of Manufacture Model</p> <ul style="list-style-type: none"> • Range 2.000" – 6.000" diameter 0.0005" graduation 6" depth • For quick transferable accurate inside measurements • Insulated grip – carbide anvils • To accurately measure chamfer bores for taper and out of round conditions • Easily adjustable and self-centering range • Heavy duty commercial grade tools • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

18	Vehicle Break Test Machine – for Testing Performance for Heavy & light Vehicles				
	<p>a. Break Tester</p> <p>Country of Origin Country of Manufacture Model</p> <p>Determination of roller friction Determination of ovality Determination of breaking force Printout of determined test results on a DIN A4 protocol</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
	<p>b. Suspension Tester</p> <p>Country of Origin Country of Manufacture Model</p> <p>Determination of the ground adhesion Test of complete suspension system Integrated wheel load weighting unit</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				
	<p>c. Sideslip Tester</p> <p>Country of Origin Country of Manufacture Model</p> <p>Quick diagnosis of the track Automatic data logging Check-up track toe-in / toe-out</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 				

19	<p>Vehicle Body Repair Kit</p> <p>Country of Origin Country of Manufacture Model</p> <p>Power Supply 2ph 400V 50/60Hz Thermol 150°C Max Current 4200A No-load voltage 13V Certification ISO</p> <p><u>Features</u></p> <p>Remove dents without disassembling. Repair without replacing. Reduce the down-time. Increase your margin. Increase your productivity.</p> <p><u>Packing List</u></p> <p>Trolley Steel Main Frame Easy Earth Clamp Head Auto Spot Pulling Unit No gripping pulling bar - 03 different type Traditional Steel pulling hammer Negative cable 75mm² - 2 meter length Traditional Tools unit Pneumatic pulling hammer 6 hook head 8 hook head Traction pin Cable with gun 75mm² - 2 meter length</p>				
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	<p>Twist rings - 50 nos</p> <p>Sucker locks - 2 nos</p> <p>Gas shovel tube</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
20	<p>Hydraulic Ramp (2 post Electro Hydraulic Vehicle Lift)</p> <p>Country of Origin</p> <p>Country of Manufacture</p> <p>Model</p> <p>Specification</p> <p>Manual release</p> <p>Clear floor 02 post lift capacity 4.5 ton</p> <p>Lifting height 1990 mm</p> <p>Post height 3609 mm</p> <p>Inside width 2980 mm</p> <p>Drive through width 2658mm</p> <p>2.2kw motor, 380/220V, 50Hz, hydraulic chain driven compatible for SUV</p> <p>Vehicles complete with standard accessories.</p> <p>Manual safety locking system.</p> <p>Driven by duel hydraulic cylinders.</p> <p>Lifting carriages are raised by direct hydraulic force.</p> <p>Mechanical locking system, w/single point safety latches in each column.</p> <p>Steel wire rope equalizing cables.</p> <p>Multi-voltage power supply is available for electrical requirements.</p>				

	<p>Optional motors.</p> <p>Fixed lift pads and adapters.</p> <p>No floorplate restrictions.</p> <p>Overhead crossover beam.</p> <p>Durable powder coat finish.</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
21	<p>Wheel Alignment and wheel Balancer</p> <p>Country of Origin</p> <p>Country of Manufacture</p> <p>Model</p> <p>Specification:</p> <p>Wireless Communication sensor</p> <p>360 degree close measurement</p> <p>Adopt geometry centre line and thrust line principle to implement five wheels alignment</p> <p>One key transmit, it can operate on sensors or mouse</p> <p>Quickly battery charge system, it should work 10 hours continuously</p>				

Item	Measurement Accuracy	Measurement Range
Toe	±0.04°	±4°
Camber	±0.04°	±10°
Caster	±0.04°	±12°
Front/Rear Setback	±0.04°	± 2°
SAI/KPI	±0.04°	±18°
Thrust angle	±0.04°	±4°

Package Size	N.W./G.W.	QTY/20'CY
1# 840x840x1285 mm	1# 131/160 kgs	10 Sets
2# 980x600x1000 mm	2# 18/38 kgs	
3# 960x630x740 mm	3# 60/75 kgs	

Specification:

Latest advance technology

High-precision of self-adhesive weight position finding

Measurement Method Both Sides Simultaneously

Measuring Time 5 ~ 15 sec

RPM 220rpm

Measuring Unit 1g

Max. Wheel Weight 65KG

Wheel Measurement W : 1.5"~20" / D : 10"~24"

Power Supply AC 110/230VAC,1ph, 50/60Hz

- Warranty Period required: Minimum 03 Years
 - Manufacturer's Warranty:
 - Supplier's Warranty:

22	<p>Tyre Remove Unit Country of Origin Country of Manufacture Model</p> <p>Specification: Full Automatic Pneumatic Tilting column tyre changer, 1 Ph, 220 V, 0.75kw motor, Rim Size 10” – 24”, bead Breaker force – 2500kgs with CE.</p> <table border="1" data-bbox="369 478 1164 1045"> <tr> <td>Motor power</td> <td>0.75 kw/0.55 kw/1.1 kw</td> </tr> <tr> <td>Power supply</td> <td>110 V/220 V/380 V</td> </tr> <tr> <td>Max.wheel diameter</td> <td>41" (1040 mm)</td> </tr> <tr> <td>Max.wheel width</td> <td>14" (355 mm)</td> </tr> <tr> <td>Ouside clamping</td> <td>11"~21"</td> </tr> <tr> <td>Inside clamping</td> <td>13"~24"</td> </tr> <tr> <td>Air supply</td> <td>8-10 bar</td> </tr> <tr> <td>Bead breaker force</td> <td>2500 kgs</td> </tr> <tr> <td>N.W/G.W.</td> <td>180/207 kgs</td> </tr> <tr> <td>QTY/20'CY</td> <td>28 PCS</td> </tr> <tr> <td>Package size</td> <td>770x940x970 mm</td> </tr> </table> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 	Motor power	0.75 kw/0.55 kw/1.1 kw	Power supply	110 V/220 V/380 V	Max.wheel diameter	41" (1040 mm)	Max.wheel width	14" (355 mm)	Ouside clamping	11"~21"	Inside clamping	13"~24"	Air supply	8-10 bar	Bead breaker force	2500 kgs	N.W/G.W.	180/207 kgs	QTY/20'CY	28 PCS	Package size	770x940x970 mm				
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23	<p>Head Light Setting Board (Headlight Aiming Board & Swing Frame) OR Head Light Beam Aligner Country of Origin Country of Manufacture Model</p> <p>Feature:</p>																										

Accurate Headlight Alignment, Easy to use, Analog / Digital Luxmeter

Technical Data

No.	Description	Unit	Data
1.	Column height	mm	1413
2.	Lens diameter	mm	200
3.	Lens type	-	Glass
4.	Leveling of the HBT	-	Optical visor with 3 wheels on base
5.	Optical box shape	-	Rectangular(Metallic)
6.	Rear panel	-	Adjustable with calibrated wheel
7.	Colour (box)	-	Signal Red
8.	Colour (stand)	-	Black
9.	Painting	-	Powder coating
10.	Lux meter	-	Analog or Digital
11.	Indication available	-	Lux Valves at 25m
12.	Dimension	mm	1535 H x 630 B x 630L
13.	Weight	Kg	30
14.	Measuring range (height)	mm	Min - 240 Max - 1280
15.	Power supply		9V battery for Digital type only
16.	Accuracy (Analog Lux meter)	Analog	+/-10%
17.	Accuracy (Digital Lux meter)	Digital	+/- 15% (15-32 +/- 10% (32-64 Lux) +/- 5% (64-240 Lux)

- Warranty Period required: Minimum 03 Years
 - Manufacturer's Warranty:
 - Supplier's Warranty:

Equipments for Computational Fluid Dynamics					
Package – 5					
	<p>Computational Fluid Dynamics (CFD) software's (New Version)</p> <p>Country of Origin Country of Manufacture Mode</p> <p>STAR CCM+ and ANSYS with Fluent</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
Equipments for Computer Integrated Manufacturing					
Package – 6					
1	<p>6-DOF industrial robot</p> <p>Country of Origin Country of Manufacture Mode</p> <p>6-DOF industrial robot with 10 kg payload at wrist equipped with IR vision for guidance and communication capabilities with PROFIBUS, Device Net. or other Field bus as specified below</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
2	<p>High precision four-axes numerically-controlled table</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

3	<p>Programmable logic controller with required I/O units Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
4	<p>Industrial loop-conveyor with pallet positioners Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
5	<p>Bar code readers Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
6	<p>A closed loop conveyor with pallets Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
7	<p>A Field Bus with controller and cables Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

8	<p>Megapixel 74 fps HD colour CCD camera Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
9	<p>Colour progressive scan CCD camera Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
10	<p>Digital frame grabber Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
11	<p>Personal computers with Software related to computer integrated manufacturing Country of Origin Country of Manufacture Mode All computers interconnected by local TCP/IP network Windows latest version, Linux Visual C++ Pro/Engineer Mat lab/Simulink Field Bus software Microsoft Office, Anti-Virus software</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

12	<p>Colour scanner Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
<p>Equipment for Mechatronics Package - 07</p>					
01	<p>Oscilloscope Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
02	<p>Digital Multimeter Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
03	<p>Function Generator Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

04	Breadboard Country of Origin Country of Manufacture Mode Programmable Logic Controllers (PLCs) <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
05	S7-1200 Starter kit Country of Origin Country of Manufacture Mode <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
06	S7-200 - CPU 224 Country of Origin Country of Manufacture Mode <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
07	SIMATIC S7-200 Signal/ Function modules Country of Origin Country of Manufacture Mode <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
08	Positioning Module EM 253 Country of Origin Country of Manufacture Mode				

	<ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
09	<p>Weighing Module SIWAREX MS</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
10	<p>Thermocouple Module EM 231</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
11	<p>Thermo resistor Module EM 231 RTD</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
12	<p>Modem module EM 241</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

13	<p>GSM/GPRS modem SINAUT MD720-3 Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
14	<p>SITOP smart power supply Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
15	<p>NI ELVIS Control Design Academic Information Kit Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
16	<p>Wireless Sensor Network (WSN) Starter Kit Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
17	<p>Quanser Engineering Trainers for NI ELVIS (QNET Mechatronic Sensors) Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

18	<p>6-Axis Robo Arm Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
19	<p>Robotics Starter Kit (DaNI) for Education Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
20	<p>ELVIS: Educational Design and Prototyping Platform Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
21	<p>KITSTARTER2EVM: Sensor Toolbox Starter Kit 2 Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
22	<p>Workstation systems - Learn line mobile Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

23	<p>Equipment set TP 801: Basics of servo motor drive technology Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
24	<p>24-Bit Universal Analog Input Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
25	<p>4 Ch Universal Module for USB, Ethernet, or 802.11 Wi-Fi Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
26	<p>Compact Field Point Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
27	<p>Microcontroller (MCU) Student Learning Kit Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

28	<p>DC power supply Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
29	<p>Workstation Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
30	<p>Touch panel computer Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
31	<p>Desktop Computer Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
32	<p>Lab VIEW Professional Development System Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

33	<p>MATLAB and Simulink Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
34	<p>SIMATIC STEP 7-Micro/WIN Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
35	<p>Robotics simulator Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
36	<p>ANSYS Simulation software Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 05 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

Equipments for Introduction to Agricultural Engineering				
Package – 8				
1	<p>Measurement of temperature, relative humidity, solar intensity and air flow in the field and plot variation during the day.</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 			
2	<p>Observation of growth of a plant in the field under two conditions: NPK and compost feeding.</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 			
3	<p>Observation of a growth of plant under rain-fed, drip-irrigated, pot irrigated and sprinkler irrigated systems.</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 			
4	<p>Study of soil erosion under sprinkler irrigation under: exposed ground, with mulching (live and dead), canopy cover provided by plants.</p> <p>Country of Origin Country of Manufacture Mode</p> <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer’s Warranty: ○ Supplier’s Warranty: 			

5	Study soil microorganism under application of chemical fertilizers and organic fertilizers. Country of Origin Country of Manufacture Mode <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				
6	Testing a wood-fired hearth of three different designs (three-stone hearth, five-stone hearth, Anagi improved stove) using two different sizes of wood Country of Origin Country of Manufacture Mode <ul style="list-style-type: none"> • Warranty Period required: Minimum 03 Years <ul style="list-style-type: none"> ○ Manufacturer's Warranty: ○ Supplier's Warranty: 				

Bidder's Name & Signature:

Name of the Company:

Date and Company seal:

4. Drawings

These Bidding Documents includes ***no*** drawings.

5. Inspections and Tests

The following inspections and tests shall be performed at Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka

Section VII. Contract Data

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

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

CC 1.1(i)	The Purchaser is ¹⁹ : South Eastern University of Sri Lanka
CC 1.1 (m)	The Project Site(s)/Final Destination(s) is/are ²⁰ : South Eastern University of Sri Lanka.
CC 8.1	<p>For notices, the Purchaser's address shall be:</p> <p>Attention²¹: Mr. C.M.Wanniarachchi</p> <p>Address: Senior Assistant Bursar, South Eastern University of Sri Lanka, University Park, Oluvil # 32360</p> <p>Telephone: 067 2255178</p> <p>Facsimile number: 067 2255178</p> <p>Electronic mail address: mangala@seu.ac.lk</p>
CC 12	<p>Payment shall be made on the submission of following documents, after acceptance & recommendation of user Departments.</p> <ol style="list-style-type: none"> 1. Invoice 2. Details of shipping and other documents. 3. Manufacturer's Warranty Certificate / Supplier's Warranty Certificate. 4. Manufacturer's inspection certificate / data sheet and supplier's calibration certificates. 5. Payment will be made after the completion of the demonstration.
CC 15.1	<p><i>Sample provision[Select appropriately]</i></p> <p>CC 15.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment shall be made in Sri Lanka Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser</p>

¹⁹ Insert complete legal name of the Purchaser

²⁰ Insert name(s) and detailed information on the location(s) of the site(s)

²¹ insert full name and the designation of the officer, if applicable

	<p>declaring that the Goods have been delivered (including the necessary documents to the custom clearance) and that all other contracted Services have been performed.</p> <p>(i) On Delivery: Up to a maximum of Eighty (80) percent of the Contract Price, shall be paid on receipt of the Goods and upon submission of the documents specified in CC Clause 12.</p> <p>(ii) On Acceptance: The remaining ten (10) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery issued by the Purchaser.</p> <p>(iii) On Completion: The remaining ten (10) percent of the Contract Price shall be paid to the Supplier within ninety (90) days after the successful operation and certification form the end user of the equipment & Machinery</p>
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CC 17.1	A Performance Security: 10% of the contract price
CC 17.4	The performance security shall be discharged on the completion of 28 days plus warranty period of each item after accepting the such item.
CC 25.1	The inspections and tests shall be: based on best suitable proposal
CC 25.2	The Inspections and tests shall be conducted at: Department of Mechanical Engineering, Faculty of Engineering, South Eastern University of Sri Lanka, University Park, Oluvil # 32360.
CC 26.1	The liquidated damage shall be: 0.5 % per week
CC 26.1	The maximum amount of liquidated damages shall be ²² : 05 %
CC 27.3	As mentioned in the Technical Specification in the Bidding Documents.

SOUTH EASTERN UNIVERSITY OF SRI LANKA

INVITATION FOR BIDS (IFB)

SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF MECHANICAL ENGINEERING LABORATORY EQUIPMENTS. (SEU/SS/2016/02)

01. The Chairman, Department Procurement Committee (Major) of the South Eastern University of Sri Lanka invites sealed Bids from eligible and qualified bidders for supply, delivery, installation and maintenance of Laboratory Equipments for Department of Mechanical Engineering South Eastern University of Sri Lanka.
02. Bidding will be conducted through **National Competitive Bidding**.
03. Interested eligible Bidders may obtain further information from the Senior Assistant Bursar (Telephone No. 0672255178), South Eastern University of Sri Lanka, University Park, Oluvil #32360 from 9.00 a.m. to 2.00 p.m. up to **30th June 2016**. (Weekdays Only).
04. A Complete set of Bidding Documents in English Language may be purchased by interested bidders on the submission of a written application to the **Bursar, South Eastern University of Sri Lanka, University Park, Oluvil #32360** and upon payment of a non-refundable fee of Rupees **Five Thousand only (Rs. 5,000.00)** to the **shroff at the administrative building, South Eastern University of Sri Lanka**. The bidding documents can also be downloaded from the University Website www.seu.ac.lk. Those who are obtaining bidding documents from the University Website should submit the tenders along with a Bank Draft drawn in favour of the “Bursar, South Eastern University of Sri Lanka” for Rs. 5000.00 as the non-refundable fee. The documents can be purchased up to **24th June 2016**.
05. All bids must be accompanied by a Bid Security. Value of the Bid Security is specified in the bidding documents. The Bid Security should be obtained from a recognized Commercial Bank in Sri Lanka, in favor of the **Vice Chancellor, South Eastern University of Sri Lanka, Oluvil**, valid for 120 days from the date of the bid opening.
06. Sealed Bids should be marked “ **Tender for the Supply, Delivery, Installation and Maintenance of Mechanical Engineering Laboratory Equipments for South Eastern University of Sri Lanka**” on the left-hand corner of the envelop and delivered to the **Chairman, Department Procurement Committee (Major), South Eastern University of Sri Lanka, University Park, Oluvil #32360** on or before **2.00 p.m. on 30th June 2016**. Bids will be opened in the presence of Bidders’ Representatives who choose to attend in person at **3.30 p.m. on 30th June 2016** at The Boardroom - 2, Ground Floor, Administrative Building, South Eastern University of Sri Lanka, University Park, Oluvil #32360. Late Bids will be rejected.

**Chairman,
Department Procurement Committee (Major),
South Eastern University of Sri Lanka,
University Park,
Oluvil #32360
04th June, 2016**