

**DEMOCRATIC SOCIALIST REPUBLIC OF
SRI LANKA**



UNIVERSITY OF JAFFNA, SRI LANKA

**SUPPLY & INSTALLATION OF COMPUTER ENGINEERING
EQUIPMENT
UNIVERSITY OF JAFFNA**

UJ/F/PO/T/04/2016

Package 01

BIDDING DOCUMENT

Bid Opening on	13.07.2016
Bid Validity up to	13.10.2016

Client

University of Jaffna,
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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	<p>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.</p> <p>1.2 Throughout these Bidding Documents:</p> <p>(a) the term “in writing” means communicated in written form by mail (other than electronic mail) or hand delivered with proof of receipt;</p> <p>(b) if the context so requires, “singular” means “plural” and vice versa; and</p> <p>(c) “Day” means calendar day.</p>
2. Source of Funds	<p>2.1 Payments under this contract will be financed by the source specified in the BDS.</p>
3. Ethics, Fraud and Corruption	<p>3.1 The attention of the bidders is drawn to the following guidelines of the Procurement Guidelines published by National Procurement Agency:</p> <ul style="list-style-type: none"> ▪ 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. <p>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:</p> <p>(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;</p> <p>(b) “fraudulent practice” means a misrepresentation or omission of facts in order</p>

	<p>to influence a procurement process or the execution of a contract;</p> <p>(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</p> <p>(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.</p> <p>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.</p>
4. Eligible Bidders	<p>4.1 All bidders shall possess legal rights to supply the Goods under this contract.</p> <p>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:</p> <p>(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</p> <p>(b) Submit more than one bid in this bidding process. However, this does not limit the participation of subcontractors in more than one bid.</p> <p>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 .</p> <p>4.4 Foreign Bidder may submit a bid only if so stated in the BDS.</p>
5. Eligible Goods and Related Services	<p>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 tother internationally accepted standards.</p>
Contents of Bidding Documents	
6. Sections of Bidding Documents	<p>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.</p> <p>Volume 1</p> <ul style="list-style-type: none"> • Section I. Instructions to Bidders (ITB) • Section VI. Conditions of Contract (CC) • Section VIII. Contract Forms

	<p>Volume 2</p> <ul style="list-style-type: none"> • 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 <p>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.</p>
7. Clarification of Bidding Documents	<p>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.</p>
8. Amendment of Bidding Documents	<p>8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.</p> <p>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.</p> <p>8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 23.2</p>
Preparation of Bids	
9. Cost of Bidding	<p>9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.</p>
10. Language of Bid	<p>10.1 The Bid, as well as all correspondence and documents relating to the Bid (including supporting documents and printed literature) exchanged by the Bidder and the Purchaser, shall be written in English language.</p>
11. Documents Comprising the Bid	<p>11.1 The Bid shall comprise the following:</p> <p>(a) Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 12, 14, and 15;</p> <p>(b) Bid Security or Bid-Securing Declaration, in accordance with ITB Clause 20;</p>

	<p>(c) documentary evidence in accordance with ITB Clauses 18 and 29, that the Goods and Related Services conform to the Bidding Documents;</p> <p>(d) documentary evidence in accordance with ITB Clause 18 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and</p> <p>(e) Any other document required in the BDS.</p>
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	<p>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.</p> <p>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.</p> <p>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. 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.</p> <p>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:</p> <p>(a) on components and raw material used in the manufacture or assembly of goods quoted; or</p> <p>(b) on the previously imported goods of foreign origin</p> <p>(ii) However, VAT shall not be included in the price but shall be indicated separately;</p> <p>(iii) the price for inland transportation, insurance and other related services to deliver the goods to their final destination;</p> <p>(iv) the price of other incidental services</p> <p>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.</p> <p>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.</p>

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	<p>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.</p> <p>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.</p> <p>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.</p>
18. Documents Establishing the Qualifications of the Bidder	<p>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:</p> <p>(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;</p> <p>(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</p> <p>(c) That the Bidder meets each of the qualification criteria specified in Section III, Evaluation and Qualification Criteria.</p>
19. Period of Validity of Bids	<p>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.</p> <p>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.</p>

<p>20. Bid Security</p>	<p>20.1 The Bidder shall furnish as part of its bid, a Bid Security as specified in the BDS.</p> <p>20.2 The Bid Security shall be in the amount specified in the BDS and denominated in Sri Lanka Rupees, and shall:</p> <ul style="list-style-type: none"> (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. <p>20.3 Any bid not accompanied by a substantially responsive Bid Security in accordance with ITB Sub-Clause 20.1 and 20.2, may be rejected by the Purchaser as non-responsive.</p> <p>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.</p> <p>20.5 The Bid Security may be forfeited:</p> <ul style="list-style-type: none"> (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 agreeing to correction of arithmetical errors in pursuant to ITB Sub-Clause 30.3 (c) if the successful Bidder fails to: <ul style="list-style-type: none"> (i) sign the Contract in accordance with ITB Clause 42; (ii) Furnish a Performance Security in accordance with ITB Clause 43.
<p>21. Format and Signing of Bid</p>	<p>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.</p>

	<p>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.</p> <p>21.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.</p>
<p>Submission and Opening of Bids</p>	
<p>22. Submission, Sealing and Marking of Bids</p>	<p>22.1 Bidders may always submit their bids by mail or by hand.</p> <p>(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.</p> <p>22.2 The inner and outer envelopes shall:</p> <p>(a) Bear the name and address of the Bidder;</p> <p>(b) be addressed to the Purchaser in accordance with ITB Sub-Clause 23.1;</p> <p>(c) bear the specific identification of this bidding process as indicated in the BDS; and</p> <p>(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.</p>
<p>23. Deadline for Submission of Bids</p>	<p>23.1 Bids must be received by the Purchaser at the address and no later than the date and time specified in the BDS.</p> <p>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.</p>
<p>24. Late Bids</p>	<p>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.</p>
<p>25. Withdrawal, and Modification of Bids</p>	<p>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 correspondingsubstitution or modification of the bid must accompany the respective written notice. All notices must be:</p> <p>(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</p>

	<p>(b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 23.</p> <p>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.</p> <p>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.</p>
<p>26. Bid Opening</p>	<p>26.1 The Purchaser shall conduct the bid opening in public at the address, date and time specified in the BDS.</p> <p>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.</p> <p>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.</p> <p>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. 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.</p>
<p>Evaluation and Comparison of Bids</p>	
<p>27. Confidentiality</p>	<p>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.</p> <p>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.</p>

	<p>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.</p>
<p>28. Clarification of Bids</p>	<p>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.</p>
<p>29. Responsiveness of Bids</p>	<p>29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.</p> <p>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:</p> <p>(a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or</p> <p>(b) limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or</p> <p>(c) if rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.</p> <p>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.</p>
<p>30. Nonconformities, Errors and Omissions</p>	<p>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.</p> <p>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.</p> <p>30.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:</p> <p>(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;</p>

	<p>(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</p> <p>(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.</p> <p>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.</p>
31. Preliminary Examination of Bids	<p>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.</p> <p>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.</p> <p>(a) Bid Submission Form, in accordance with ITB Sub- Clause 12.1;</p> <p>(b) Price Schedules, in accordance with ITB Sub-Clause 12;</p> <p>(c) Bid Security, in accordance with ITB Clause 20.</p>
32. Examination of Terms and Conditions; Technical Evaluation	<p>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.</p> <p>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.</p> <p>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.</p>
33. Conversion to Single Currency	<p>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.</p>
34. Domestic Preference	<p>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.</p>
35. Evaluation of Bids	<p>35.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.</p> <p>35.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in this ITB Clause 35.</p>

	<p>35.3 To evaluate a Bid, the Purchaser shall consider the following:</p> <p>(a) the Bid Price as quoted in accordance with clause 14;</p> <p>(b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 30.3;</p> <p>(c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.2; and 14.3</p> <p>(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;</p> <p>(e) Adjustments due to the application of a domestic preference, in accordance with ITB Clause 34 if applicable.</p> <p>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</p> <p>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.</p>
<p>36. Comparison of Bids</p>	<p>36.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 35.</p>
<p>37. Post qualification of the Bidder.</p>	<p>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.</p> <p>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.</p> <p>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.</p>
<p>38. Purchaser’s Right to Accept Any Bid, and to Reject Any or All Bids</p>	<p>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.</p>

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 whichever 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	<p>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.</p> <p>41.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.</p> <p>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.</p>
42. Signing of Contract	<p>42.1 Within Seven (7) days after notification, the Purchaser shall complete the Agreement, and inform the successful Bidder to sign it.</p> <p>42.2 Within Seven (7) days of receipt of such information, the successful Bidder shall sign the Agreement.</p>
43. Performance Security	<p>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.</p> <p>43.2 Failure of the successful Bidder to submit the abovementioned 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.</p>

Section VI. Conditions of Contract

1. Definitions	<p>1.1 The following words and expressions shall have the meanings hereby assigned to them:</p> <p>(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.</p> <p>(b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.</p> <p>(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.</p> <p>(d) “Day” means calendar day.</p> <p>(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.</p> <p>(f) “CC” means the Conditions of Contract.</p> <p>(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.</p> <p>(h) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the Contract Data.</p> <p>(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.</p> <p>(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. Section VI General Conditions of Contract 51</p> <p>(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.</p>
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	(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	<p>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:</p> <p>(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;</p> <p>(ii) "fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;</p> <p>(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</p> <p>(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.</p>
4. Interpretation	<p>4.1 If the context so requires it, singular means plural and vice versa.</p> <p>4.2 Entire Agreement</p> <p>The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether 52 Section VII. General Conditions of Contract written or oral) of the parties with respect thereto made prior to the date of Contract.</p> <p>4.3 Amendment</p> <p>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.</p> <p>4.4 Severability</p> <p>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.</p>
5. Language	5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser,

	<p>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.</p> <p>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.</p>
6. Joint Venture, Consortium or Association	<p>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.</p>
7. Eligibility	<p>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.</p>
8. Notices	<p>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. Section VI General Conditions of Contract 53</p> <p>8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.</p>
9. Governing Law	<p>9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Democratic Socialist Republic of Sri Lanka.</p>
10. Settlement of Disputes	<p>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.</p> <p>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.</p> <p>10.3 Notwithstanding any reference to arbitration herein,</p>

	<p>(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and</p> <p>(b) the Purchaser shall pay the Supplier any monies due the Supplier.</p>
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	<p>15.1 The Contract Price shall be paid as specified in the Contract Data.</p> <p>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.</p> <p>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.</p>
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	<p>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.</p> <p>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.</p> <p>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.</p> <p>17.4 The Performance Security shall be discharged by the Purchaser</p>

	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 Information	<p>19.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under CC Clause 19.</p> <p>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.</p> <p>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.</p> <p>19.4 The provisions of CC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.</p>
20. Subcontracting	<p>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.</p> <p>20.2 Subcontracts shall comply with the provisions of CC Clauses 3 and 7.</p>
21. Specifications and Standards	<p>21.1 Technical Specifications and Drawings</p> <p>(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.</p>

	<p>(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.</p> <p>(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.</p>
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	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>

	<p>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 impede 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.</p> <p>25.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.</p> <p>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.</p> <p>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.</p>
26. Liquidated Damages	<p>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 58 Section VII. General Conditions of Contract 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.</p>
27. Warranty	<p>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.</p> <p>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.</p> <p>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</p>

	<p>accepted at the final destination indicated in the Contract Data.</p> <p>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.</p> <p>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.</p> <p>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.</p>
<p>28. Patent Indemnity</p>	<p>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:</p> <p>(a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and</p> <p>(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.</p> <p>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.</p> <p>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</p>

	<p>the same on its own behalf.</p> <p>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.</p> <p>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.</p>
<p>29. Limitation of Liability</p>	<p>29.1 Except in cases of criminal negligence or willful misconduct,</p> <p>(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</p> <p>(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</p>
<p>30. Change in Laws and Regulations</p>	<p>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.</p>

<p>31. Force Majeure</p>	<p>31.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination or 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.</p> <p>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.</p> <p>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.</p>
<p>32. Change Orders and Contract Amendments</p>	<p>32.1 The Purchaser may at any time order the Supplier through notice in accordance CC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:</p> <p>(a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;</p> <p>(b) the method of shipment or packing;</p> <p>(c) the place of delivery; and</p> <p>(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.</p> <p>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.</p> <p>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.</p>

<p>33. Extensions of Time</p>	<p>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.</p> <p>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.</p>
<p>34. Termination</p>	<p>34.1 Termination for Default</p> <p>(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:</p> <p>(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;</p> <p>(ii) if the Supplier fails to perform any other obligation under the Contract; or</p> <p>(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.</p> <p>(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.</p> <p>34.2 Termination for Insolvency.</p> <p>(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</p>

	<p>34.3 Termination for Convenience.</p> <p>(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.</p> <p>(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:</p> <p>(i) to have any portion completed and delivered at the Contract terms and prices; and/or</p> <p>(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.</p>
<p>35. Assignment</p>	<p>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.</p>


M. G. L. Maveekumbura
 Senior Assistant Bursar (Supplies)
 University of Jaffna
 Jaffna

Section VIII.

Contract Forms

1. Contract Agreement

THIS CONTRACT AGREEMENT is made

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

BETWEEN

(1) [insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of or corporation and having its principal place of business at [insert address of Purchaser] (hereinafter called “the Purchaser”), and

(2) [insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., [insert brief description of Goods and Services] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency (ies)] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:

(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) [Add here any other document(s)]

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 [insert title or other appropriate designation]

in the presence of [insert identification of official witness]

For and on behalf of the Supplier

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

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

in the presence of [insert identification of official witness]


M. G. L. Maveekumbura
Senior Assistant Bursar (Supplies)
University of Jaffna
Jaffna

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: -----
- [Name and Address of Employer] -----

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 of ----- [name of contract and brief description] (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, 28 days beyond the scheduled completion date including the warranty period] and any demand for payment under it must be received by us at this office on or before that date.

[Signature(s)]


M. G. L. Maveekumbura
Senior Assistant Bursar (Supplies)
University of Jaffna
Jaffna

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: [insert legal name and address of Purchaser]

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 of [insert types of Goods to be delivered] (hereinafter called "the Contract").


Furthermore, we understand that, according to the conditions of the Contract, an advance 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) 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 date].

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


M. G. L. Maveekumbura
Senior Assistant Bursar (Supplies)
University of Jaffna
Jaffna

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 relevant ITB Clauses.]

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: University of Jaffna
ITB 1.1	The name and identification number of the Contract are: “Supply & Installation of Computer Engineering Equipment, University of Jaffna. – Package 01 - UJ/F/PO/T/04/2016”
ITB 1.2	The bidder should have at least three years experience in the relevant industry in Sri Lanka and should submit documents to prove experience in the industry.
ITB 2.1	The source of funding is: GOSL
ITB 4.4	Foreign bidders are allowed to participate in bidding: Not allowed
	B. Contents of Bidding Documents
ITB 7.1	For Clarification of bid purposes only, the Purchaser’s address is: Attention: Senior Assistant Bursar/Supplies Address: 57, University of Jaffna, Thirunelvely, Jaffna Telephone: 021-2220962 Electronic mail address: bursaruj@gmail.com
	C. Preparation of Bids
ITB 11.1 (e)	The Bidder shall submit the following additional documents: A complete company profile of the bidders including, but not limited to, the following: <ul style="list-style-type: none"> • Data commencing business in Sri Lanka • Names of current Directors • Annual turnover, assets and liabilities • List of client who use the products • Number of staff supporting to proceed the operation in Sri Lanka and their competence • Past 3 years relevant experience in the relevant industry in Sri Lanka

ITB 15.1	The bidder shall quote the local expenditure in Sri Lankan Rupees.
ITB 18.1 (b)	After sales service is: required
ITB 19.1	The bid shall be validity until: 13.10.2016
ITB 20.1	(a) Bid shall include a Bid Security (issued by bank or surety) included in Section IV Bidding Forms;
ITB 20.2	The amount of the Bid Security shall be: As per the advertisement Beneficiary: Vice Chancellor, University of Jaffna. The validity period of the bid security shall be until: 11.11.2016
	D. Submission and Opening of Bids
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks: “Supply & Installation of Computer Engineering Equipment, University of Jaffna. – Package 01 - UJ/F/PO/T/04/2016”
ITB 23.1	For bid submission purposes, the Purchaser’s address is: Attention: Bursar Address: University of Jaffna, P.O.Box 57, Thirunelvely, Jaffna. The deadline for the submission of bids is: Date: 13.07.2016 Time: 2.00pm
ITB 26.1	The bid opening shall take place at: Address: Board Room, University of Jaffna, P.O. Box 57, Thirunelvely, Jaffna. Date: 13.07.2016 Time: 2.00 pm
	E. Evaluation and Comparison of Bids
ITB 34.1	Domestic preference shall not be a bid evaluation factor.
ITB 35.3(d)	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: Option 2 is selected and the adjustment is 0.5% per week or part thereof

	<p>(b) Deviation in payment schedule: Not applicable</p> <p>(c) the cost of major replacement components, mandatory spare parts, and service: Not applicable</p>
ITB 35.4	The following factors and methodology will be used for evaluation: Not applicable
ITB 35.5	Bidders shall be allowed to quote for one or more lots. [refer to Section III Evaluation and Qualification Criteria] Purchaser will evaluate the bid item by item basis.



M. G. L. Maveekumbura
 Senior Assistant Bursar (Supplies)
 University of Jaffna
 Jaffna

Section III.

Evaluation and Qualification Criteria

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 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 nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation purposes only, to the bid price of bids offering deliveries later than the earliest delivery period specified in the Section V, Schedule of Requirements

(a) Deviation in payment schedule. **Not applicable**

(c) Cost of major replacement components, mandatory spare parts, and service: **Not applicable**

(d) Specific additional criteria: **None**

2. Evaluation Criteria (ITB 35.4)

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 items per lot and quantity per item

(b) Take into account: The lowest-evaluated bid for each lot

3. Post qualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the post qualification 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.

Qualification Criteria:

- (a) Bid may be submitted by any reputed supplier of **Computer Engineering Equipment** registered business in Sri Lanka or any accredited local agent who takes fullest responsibility for the whole bid. The local agent shall submit evidence of status, obligations, power of attorney and any other documentary evidence that he is duly authorized and eligible to bid on behalf of the manufacturer.
- (b) The bidders should also have previous experience of at least three years in relevant industry in the supply and also technical and financial capability necessary to perform the contract.
- (c) Bids will be rejected as non- responsive if documentary evidence in proof of above has not been provided.
- (d) If an Agent submits bids on behalf of more than one supplier, unless each such bid is accompanied by a separate Bid Form for each bid, and a bid security when required for each bid, and authorization from the respective Manufacturer, and valid vendor certificate, all such bids will be rejected as non- responsive.
- (e) Bidders should possess the Certificate of Business Registration issued by a Governmental Authority/ Registrar of Companies/ Provincial Registrar of Business in the relevant category.
- (f) Bidders offering goods under their own brand names should provide along with their bids a current certification/s of quality; Bid not complying with this requirement may be treated as non - responsive.
- (g) Having a service center in Jaffna will be considered as an added qualification.

4. Domestic Preference (ITB 34.1) – **Not applicable**

Section IV

Bidding Forms

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:

No:

To: **University of Jaffna**

We, the undersigned, declare that:

- a) We have examined and have no reservations to the Bidding Documents, including Addenda No.:
- 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 Service Supply of **Computer Engineering Equipment** to the University of Jaffna.
- c) The total price of our Bid without VAT, including any discounts offered is:
- d) The total price of our Bid including VAT, and any discounts offered is:
- e) Our bid shall be valid for the period of time specified in ITB sub-Clause 19.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain bidding 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;
- i) We understand that bid, together with your written acceptance thereof include in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed:

In the capacity of

Name:

Duly authorized to sign the bid for and on behalf of:

Dated on ----- day of -----


M. G. L. Maveekumbura
Senior Assistant Bursar (Supplies)
University of Jaffna
Jaffna

Price Schedule *

No	Description of the Item and ITEM CODE	(1)	(2)	(3)	(4)	(5)
		Qty	Unit Rate	VAT	Price with VAT (2+3)	Total (1x4)
1.1	Accelerometer	20				
1.2	Bluetooth Transceiver module	20				
1.3	Compass module	10				
1.4	12V Gear Motor	30				
1.5	6V gear motor	30				
1.6	GPS module	10				
1.7	GSM/GPRS Development boards	10				
1.8	Long Distance Ultrasonic module	10				
1.9	Short Distance Ultrasonic module	40				
1.10	Servo motor	20				
1.11	Arduino Nano / Genuino Nano (Original)	20				
1.12	Arduino MEGA / Genuino MEGA (Original)	20				
1.13	Motion sensors	40				
1.14	Motor driver kit	20				
1.15	Pulse sensors	5				
1.16	Relay module	20				
1.17	Tamiya Tracked Vehicle Chassis	10				
1.18	Robot chassis	10				
1.19	Robot wheel	25				
1.20	rubber tire wheel	80				
1.21	Step motor	20				
1.22	Temperature and Humidity sensor	40				
1.23	Long Rang Video transmitter + receiver	5				
1.24	WiFi development kit	10				
1.25	WiFi module	10				
1.26	Wireless Transceiver module	20				
1.27	Long Rang Wireless module + Antenna	20				

1.28	High performance Computing node (Two processors each with 16 core, 512 GB RAM, 3TB hard disk with multiple Ethernet interface.)	1				
1.29	High performance computing node(Two processors each with 8 core, 256 GB RAM, 3TB hard disk)	2				
1.30	Tower Model Computer	40				
1.31	Online UPS 6kVA	2				
1.32	Interactive Ultra Short Throw Multimedia Projector with Wall Mounting Accessory	2				

*Use separate price schedule for options

.....

.....

Signature and seal of the Bidder

Date

Total Price without Taxes (in SLR):

Total Price without Taxes (in Words):.....

Vat Registration No:.....

Total Price with VAT:.....

Total Price with VAT (in Words):.....

Maintenance charges as a percentage after the warranty period:.....

Name of the Authorized persons:.....

Signature of the Authorized persons:.....

Date:


M. G. L. Maveekumbura
 Senior Assistant Bursar (Supplies)
 University of Jaffna
 Jaffna

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: ----- [name and address of Purchaser] 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. ----- [insert IFB number] ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- [insert name of 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)]

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: [insert complete name of Purchaser]

WHEREAS

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

We hereby extend our full guarantee and warranty in accordance with Clause 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


1. List of Goods and Delivery Schedule

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

No	Description of Goods	Qty	Final Destination as specified in BDS	Delivery Date		
				Earliest Delivery Date	Latest Delivery Date	Bidder’s offered Delivery date
1.1	Accelerometer	20	University of Jaffna	2 Weeks	4 Weeks	
1.2	Bluetooth Transceiver module	20				
1.3	Compass module	10				
1.4	12V Gear Motor	30				
1.5	6V gear motor	30				
1.6	GPS module	10				
1.7	GSM/GPRS Development boards	10				
1.8	Long Distance Ultrasonic module	10				
1.9	Short Distance Ultrasonic module	40				
1.10	Servo motor	20				
1.11	Arduino Nano / Genuino Nano (Original)	20				
1.12	Arduino MEGA / Genuino MEGA (Original)	20				
1.13	Motion sensors	40				
1.14	Motor driver kit	20				
1.15	Pulse sensors	5				
1.16	Relay module	20				
1.17	Tamiya Tracked Vehicle Chassis	10				
1.18	Robot chassis	10				
1.19	Robot wheel	25				
1.20	rubber tire wheel	80				
1.21	Step motor	20				
1.22	Temperature and Humidity sensor	40				
1.23	Long Rang Video transmitter + receiver	5				

1.24	WiFi development kit	10				
1.25	WiFi module	10				
1.26	Wireless Transceiver module	20				
1.27	Long Rang Wireless module + Antenna	20				
1.28	High performance Computing node (Two processors each with 16 core, 512 GB RAM, 3TB hard disk with multiple Ethernet interface.)	1				
1.29	High performance computing node (Two processors each with 8 core, 256 GB RAM, 3TB hard disk)	2				
1.30	Tower Model Computer	40				
1.31	Online UPS 6kVA	2				
1.32	Interactive Ultra Short Throw Multimedia Projector with Wall Mounting Accessory	2				

* Destination of delivery: - Faculty of Engineering,
University of Jaffna,
Ariviyal Nagar,
Kilinochchi.


M. G. L. Maveerumbura
 Senior Assistant Bursar (Supplies)
 University of Jaffna
 Jaffna

2. Technical Specifications

The bidder shall follow the following technical requirement and other requirement

Item No	Name and Minimum Specifications		Qty	Remarks
1.1	Accelerometer		20	
	Model	Specify		
	Country of Origin	Specify		
	Accelerometer	<ul style="list-style-type: none"> • Tri-Axis accelerometer with a programmable full scale range of $\pm 2g$, $\pm 4g$, $\pm 8g$ and $\pm 16g$ • Tri-Axis angular rate sensor (gyro) with a sensitivity up to 131 LSBs/dps and a full-scale range of ± 250, ± 500, ± 1000, and ± 2000dps 		
	Interface	I2C Digital-output		
	Input Voltage	2.3 - 3.4V		
	Warranty	Specify		
1.2	Bluetooth Transceiver module		20	
	Model	Specify		
	Country of Origin	Specify		
	Bluetooth module	Bluetooth V2.0 protocol standards Potter default rate of 9600 Could be set to a transmitter or receiver		
	Operating Voltage	3.3 V		
	Output current	30 mA		
	Max dimension	28 mm x 15 mm x 2.35 mm		
	Operating range	30 feet		
	Warranty	Specify		
1.3	Compass module		10	
	Model	Specify		
	Country of Origin	Specify		
	Compass	Three-Axis Magnetic Field Module		
	Accuracy	1-2 degree		
	Voltage	3-6 V		
	Communication Interface	I2C		
	Max dimension	1.8 x 1.7 cm		
	Warranty	Specify		
1.4	12V Gear Motor		30	
	Model	Specify		
	Country of Origin	Specify		
	Gear motor	12V volt supply 150 RPM Total length 35mm, shaft length 10mm Fully metal gears D type shaft		

	Warranty	Specify		
1.5	6V gear motor		30	
	Model	Specify		
	Country of Origin	Specify		
	Gear motor	Voltage: 6 V DC RPM: 300RPM Current: 35mA Diameter: 12mm Shaft length: 9mm Height (excl. shaft): 26mm Shaft diameter: 3mm Fully metal gears D type shaft		
	Warranty	Specify		
1.6	GPS module		10	
	Model	Specify		
	Country of Origin	Specify		
	GPS Module	Embedded GPS/Glonass Antenna 10Hz Navigation update rate		
	Accuracy	2.5 m or less		
	Interface	UART interface		
	Baud Rate	9600 bps		
	Voltage	5 V		
	Battery backup time	7 days		
	Start time	Cold start: < 30 seconds Hot start: < 2 seconds		
	Warranty	Specify		
1.7	GSM/GPRS Development boards		10	
	Model	Specify		
	Country of Origin	Specify		
	GSM/GPRS Development board	<ul style="list-style-type: none"> • Quad-Band 850 / 900/ 1800 / 1900 MHz • Compliant to GSM phase 2/2+ • Class 4 (2 W @ 850 / 900 MHz) • Class 1 (1 W @ 1800 / 1900MHz) 		
	Communication	Control via AT commands Short Message Service Embedded TCP/UDP stack GPRS multi-slot class 10/8		
	Interface	Serial interface		
	Warranty	Specify		
1.8	Long Distance Ultrasonic module		10	
	Model	Specify		
	Country of Origin	Specify		
	Ultrasonic module	Ultrasonic Distance Measuring Transducer Sensor		
	Range	16cm – 6 m		
	Interface	I2C or Serial		
	Frequency	40 kHz		
	Warranty	Specify		
1.9	Short Distance Ultrasonic module		40	

	Model	Specify		
	Country of Origin	Specify		
	Ultrasonic module	Ultrasonic Distance Measuring Transducer Sensor		
	Voltage	5 V		
	Detection distance	2 cm – 450 cm		
	Precision	<0.3 cm		
	Angle	>=15 Degrees		
	Warranty	Specify		
1.10	Servo motor		20	
	Model	Specify		
	Country of Origin	Specify		
	Servo motor	All Metal Gears Operating Speed: 0.17sec / 60 degrees (4.8V no load) Operating Speed: 0.13sec / 60 degrees (6.0V no load) Stall torque: 9kg/cm(4.8V) 12kg/cm (6V) Operation Voltage: 4.8 - 7.2Volts		
	Warranty	Specify		
1.11	Arduino Nano /GenuinoNano		20	
	Model	Specify		
	Country of Origin	Specify		
	Programmable Microcontroller	Atmel ATmega168 or ATmega328		
	Memory	FLASH- 16 KB (ATmega168) or 32 KB (ATmega328) SRAM- 1 KB (ATmega168) or 2 KB (ATmega328) EEPROM- 512 bytes (ATmega168) or 1 KB (ATmega328)		
	Clock	16 MHz oscillator		
	Pins	Digital I/O - 14 (of which 6 provide PWM output) Analog Input - 8		
	Dimensions	0.73" x 1.70"		
	Weight	5g or less		
	Warranty	Specify		
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line and an authorized letters from principals to certify these should be attached.		
1.12	Arduino MEGA / Genuino MEGA (Original)		20	
	Model	Specify		
	Country of Origin	Specify		
	Programmable Microcontroller	ATmega1280		
	Memory	FLASH- 128 KB of which 4 KB used by bootloader SRAM- 8 KB		

		EEPROM- 4 KB		
	Clock	16 MHz oscillator		
	Pins	Digital I/O - 54 (of which 15 provide PWM output) Analog Input - 16		
	Input Voltage	6-20V		
	Weight	37 g or less		
	Warranty	Specify		
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line and an authorized letters from principals to certify these should be attached.		
1.13	Motion sensors		40	
	Model	Specify		
	Country of Origin	Specify		
	Motion sensor	Pyroelectric Infrared (PIR) Motion Sensor Working distance up to 7 m		
	Working Voltage	4.5 – 10 V DC		
	Output Voltage	3.3 TTL output		
	Detection angle	up to 110 degrees		
	Warranty	Specify		
1.14	Motor driver kit		20	
	Model	Specify		
	Country of Origin	Specify		
	Motor driver	L293D IC 4-H bridges 0.6A output current per Bridge		
	Voltage	4.5 – 36 V DC		
	Number of motors	4 Bi directional DC motors 2 Stepper motors		
	Warranty	Specify		
1.15	Pulse sensors		5	
	Model	Specify		
	Country of Origin	Specify		
	Heart Beat Sensor	Inbuilt Pulse Sensor Board Ear Clip for Earlobe Heart Rate Measurement Velcro Finger Strap		
	Operating Voltage	3-5 V		
	Output current	4 mA		
	Warranty	Specify		
1.16	Relay module		20	
	Model	Specify		
	Country of Origin	Specify		
	Relay module	Operating voltage: 5V Output Voltage: 230V Output Current: 10A		
	Warranty	Specify		
1.17	Tamiya Tracked Vehicle Chassis		10	
	Model	Specify		

	Country of Origin	Specify		
	Robot car chassis	Tamiya Tracked Vehicle Chassis Kit with two gear ratios		
	Warranty	Specify		
1.18	Robot chassis		10	
	Model	Specify		
	Country of Origin	Specify		
	Robot car chassis	4 x Gear Motor (1:48) 4x Speed encoder 8xFasteners 1 x Power button Tire Diameter > 65mm Motor Size > 70mm*22mm*18mm		
	Warranty	Specify		
1.19	Robot wheel		25	
	Model	Specify		
	Country of Origin	Specify		
	Robot wheel	All-metal gear (N20) Diameter 12mm, length of the shaft 6mm Output shaft diameter 3mm Operating voltage 3-9V >40mm D word rubber wheels		
	Warranty	Specify		
1.20	rubber tire wheel		80	
	Model	Specify		
	Country of Origin	Specify		
	Rubber tire wheel	Wheel size: >65x25mm		
	Warranty	Specify		
1.21	Step motor		20	
	Model	Specify		
	Country of Origin	Specify		
	Stepper motor	1.8-degree Step angle 2.8 V rated Voltage 1.7 A rated current 62Oz-in/4400gf.cm holding torque Rotor inertia: ~70		
	Warranty	Specify		
1.22	Temperature and Humidity sensor		40	
	Model	Specify		
	Country of Origin	Specify		
	Temperature & Humidity sensor	Digital output		
	Temperature sensor	Range: 0 ~ 50 Celsius Accuracy: <2 Celsius		
	Humidity sensor	Range: 20% ~ 90% RH Accuracy: <5.0% RH		
	Response time	<5 s		
	Warranty	Specify		
1.23	Long Rang Video transmitter + receiver		5	
	Model	Specify		
	Country of Origin	Specify		

	Transmitter	200mW 8 channel AV transmitter Operating voltage 12V Video format NTSC / PAL Video band width 8.0MHz		
	Receiver	Receiving frequency 5705 ~ 5945MHz; 8 Channels Double lines AV output Analog AV signal output Power supply voltage 6.5V ~ 12V		
	Frequency	5.8 GHz		
	Range	>2000m		
	Warranty	Specify		
1.24	WiFi development kit		10	
	Model	Specify		
	Country of Origin	Specify		
	WiFi development kit	ESP8266 chip 802.11 b / g / n WIFI @ 2.4 GHz, support for WPA / WPA2 security mode Integrated TCP/IP protocol stack Built in antenna		
	Voltage	3.3 V		
	Interface	TTL serial communication interface		
	GPIO pins	10 with PWM		
	Warranty	Specify		
1.25	WiFi module		10	
	Model	Specify		
	Country of Origin	Specify		
	WiFi Module	802.11 b / g / n WIFI @ 2.4 GHz, support for WPA / WPA2 security mode Integrated TCP/IP protocol stack Built in antenna		
	Voltage	3.3 V		
	Interface	TTL serial communication interface		
	GPIO pins	7 or max		
	Warranty	Specify		
1.26	Wireless Transceiver module		20	
	Model	Specify		
	Country of Origin	Specify		
	Wireless module	2400-2483.5 MHz ISM band operations Support 1 and 2 Mbps air data rate Programmable output power (-40dBm to 5dBm) 1.9V to 3.6V power supply 4-pin SPI interface with maximum 8 MHz clock rate		
	Warranty	Specify		
1.27	Long Rang Wireless module + Antenna		20	
	Model	Specify		
	Country of Origin	Specify		
	Wireless module	With Antenna		

		2.4Ghz ISM/SRD free license band IC : CC2500 Sensitivity: -110dBm@10KBPS at 1500 Meters Output Power:20dBm (100mW) Programmable output power Standard DIP interface		
	Range	50 m – 1500 m (Open area)		
	Warranty	Specify		
1.28	High Performance Computing Node		1	
	Model	Specify		
	Country of Origin	Specify		
	Number of Processors	2		
	Processor Family	Intel Xeon E5 v2 (Ivybridge) at 2.4 GHz or higher		
	Core	Each processor 16 cores		
	RAM	512GB		
	Hard Disk Drive	3 TB		
	SSD	512 GB		
	Interface	Two 10Gbps interfaces Two 1Gbps interfaces Support InfiniBand interface		
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components		
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.		
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand		
		Broachers/Technical documents for the bided items must be provided		
		All relevant technical brochures forwarded with tender documents		
		Comprehensive user guide		
		Complete track record on where the supplier has supplied the product		
		Recommendation letter about the product from the institution where the supplier has supplied the product.		
	Service centre location in Kilinochchi premises proximity	Specify		
1.29	High Performance Computing Node		2	
	Model	Specify		
	Country of Origin	Specify		
	Number of Processors	2		
	Processor Family	Intel Xeon E5 v2 (Ivybridge) at 2.4 GHz		

		or higher		
	Core	Each processor 8 cores		
	RAM	252 GB		
	Hard Disk Drive	3 TB		
	SSD	512 GB		
	Interface	Two 10Gbps interfaces Two 1Gbps interfaces Support InfiniBand interface		
	GPGPU support	NVIDIA K40 GPU		
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components		
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.		
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand		
		Broachers/Technical documents for the bided items must be provided		
		All relevant technical brochures forwarded with tender documents		
		Comprehensive user guide		
		Complete track record on where the supplier has supplied the product		
		Recommendation letter about the product from the institution where the supplier has supplied the product.		
	Service centre location in Kilinochchi premises proximity	Specify		
1.30	Tower Model Computer		40	
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)		
	Model	Specify		
	Country of Origin	Specify		
	Chassis	Mini tower		
	Processor Family	4th Generation Intel® Core™ i5		
	External rated clock speed	3.40 GHz		
	Data width	64 bit		
	Number of cores	4		
	Level 1 cache size	2 x 64 KB instruction cache, 2 x 64 KB data caches or similar		
	Level 2 cache size	2 x 512 KB		
	Level 3 cache	6 MB shared		
	Main Memory	8 GB, DDR3 SDRAM (1600 MHz)		
	Chipset	Intel® H81 Express or equivalent		

	IO Ports	1 full height PCIe x16		
		3 full height PCIe x1		
		2 External USB 3.0 ports and		
		6 External USB 2.0 ports (2 in the front, 6 in the back)		
	Network Interfaces	Integrated Ethernet LAN 10/100/1000 Mbps full duplex Ethernet Port with RJ45 connector		
	Graphic Adapter & Interface	Integrated Intel® HD Graphics 4600,		
		Video ports : VGA/DVI and HDMI with dual display capability		
	Hard Disk Drive	Minimum of 1 TB SATA (7200 rpm or better) disk drives		
	Optical Storage	16X Max DVD RW with Dual Layer Write Capabilities		
	Audio Interface	Integrated Realtek, High Definition Audio Codec or equivalent		
	Monitor	23" WHD Monitor with WLED with direct AC power input (should be the same brand)		
	Power supply Rated Capacity	265W rated for continuous operation with forced circulation cooling system		
	Operating Voltage	180V to 250V		
	Input frequency	47Hz-63Hz		
	Security Features	Manual Lockable side openings		
	Weight (lbs/kg)	Specify		
	Keyboard	USB Keyboard		
	Mouse	USB optical mouse		
	Operating System	Preloaded and activated Windows 7 Professional (with Genuine activation Keys)		
		(Recovery Media should be provided)		
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components and peripheral devices supplied		
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.		
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand		
		Broachers/Technical documents for the bided items must be provided		
		All relevant technical brochures forwarded with tender documents		
		Comprehensive user guide		
		Complete track record on where the		

		supplier has supplied the product		
		Recommendation letter about the product from the institution where the supplier has supplied the product.		
	Service centre location in Kilinochchi premises proximity	Specify		
1.31	Online UPS 6kVA		2	
	Topology	Online, double conversion		
	Input Specifications Nominal input voltage Input frequency Input voltage range Input power factor	230V 40-70 Hz 180V-260V AC Specify		
	Output Specifications Output capacity Nominal output voltage Efficiency at full load Wave form Battery backup time	6kVA 230V >94% at double conversion mode Sinusoidal 8-10 min at full load and 12-16 min at half load		
	Bypass Type	Specify		
	Bypass input voltage range	Specify		
	Operating temperature	< 10 °C to >40°C		
	Humidity	0 to > 93 RH		
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)		
	Model Name	(Specify)		
	Dimensions (WxDxH)	(Specify)		
	Weight	(Specify)		
	Battery type	Maintenance-free sealed- Lead-Acid battery with suspended electrolyte; Leak proof		
	Warranty	Three year comprehensive – Warranty should cover the whole unit including battery.		
	Other technical features	Surge and Noise protection		
		Should have audible fault detection / alarm		
		LED status display with On Line, On Battery, Charge level, Replace Battery and Overload indicators		
		Should have automatic measure to prevent complete run down of battery		
		Should have management interface		
		The manufacturer should have minimum of ten years' experience in manufacturing		

		the same brand		
		Broachers/Technical documents for the bided items must be provided		
	Service centre location in Kilinochchi premises proximity	Specify		
	Documentation	All relevant technical brochures forwarded with Tender Documents.		
		Comprehensive user guide		
		Complete track record on where the supplier has supplied the product		
		Recommendation letter about the product from the institutions where the supplier has supplied the product		
1.32	Interactive Ultra Short Throw Multimedia Projector with Wall Mounting Accessory		2	
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)		
	Model Name	(Specify)		
	Dimensions (WxDxH)	(Specify)		
	Weight	(Specify)		
	System Type	Ultra short Throw Projector		
	Brightness	3300 lumens or more		
	Aspect Ratio:	4:3 and 16:9		
	Native Resolution:	1280 x 800 (WXGA) or high		
	Lamp Type	(Specify)		
	Lamp Life:	4000 hours or more		
	Throw Ratio Range	0.3:1		
	Provided Mount	Compatible Wall Mount / Ceiling mount		
	Keystone Correction:	Automatic		
	Contrast Ratio	10,000:1 or more		
	Color Reproduction:	Up to 1.07 billion colors		
	Image Optimizer	Yes		
	Projection Lens Type:	Powered		
	PC-Less Interactive	Yes		
	PC-Less Presentation	Yes		
	Network LAN Wireless IEEE802.11b/g/n Support	Yes		
	Speakers Output	Stereo x 8W or more		
	Interfaces:	Computer Input: mini D-sub 15 pin x 1 or more		
		Computer Output: mini D-sub 15 pin x 1		
		Video input: HDMI x 2 or more		
		Composite video: RCA x 1		
		Audio input: 3.5mm Stereo mini jack x 1		
		Audio Output: 3.5mm Stereo mini jack x 1		

		Network LAN: RJ-45		
		USB connector: Type A x 1 (PC-free and other)		
		USB connector: Type B x 1 (USB Plug 'n Play)		
		RS232C Control: 9-pin D-sub		
	Compatibility:	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC 16" NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM, 480i, 480p, 576i, 720p, 1080i, 1080p		
	Operating Temperature	(10° to 35° C)		
	Power Supply Voltage:	240 V ±10%, 50/60 Hz		
	Power Consumption:	(Specify)		
	Fan Noise:	Less than 40dB		
	Security:	Kensington®-style lock		
	Remote Control Features	Source search selection, power, volume, A/V mute, freeze, menu, page up and down, auto, mouse functions		
	Remote Control operating distance	5m or more		
	Wall Mounting accessory	Should be provided		
	Warranty	3 Years Comprehensive		
	Bidders qualifications	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.		
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand		
		Broachers/Technical documents for the bided items must be provided		
	Service centre location in Kilinochchi premises proximity	Specify		
	Documentation	All relevant technical brochures forwarded with Tender Documents.		
		Comprehensive user guide		
		Complete track record on where the supplier has supplied the product		
		Recommendation letter about the product from the institutions where the supplier has supplied the product		

3. Bidders Response

Item No	Name and Minimum Specifications		Bidder's Response		If "No" indicate the specification Offered
			Yes	No	
1.1	Accelerometer				
	Model	Specify			
	Country of Origin	Specify			
	Accelerometer	<ul style="list-style-type: none"> • Tri-Axis accelerometer with a programmable full scale range of $\pm 2g$, $\pm 4g$, $\pm 8g$ and $\pm 16g$ • Tri-Axis angular rate sensor (gyro) with a sensitivity up to 131 LSBs/dps and a full-scale range of ± 250, ± 500, ± 1000, and ± 2000dps 			
	Interface	I2C Digital-output			
	Input Voltage	2.3 - 3.4V			
	Warranty	Specify			
1.2	Bluetooth Transceiver module				
	Model	Specify			
	Country of Origin	Specify			
	Bluetooth module	Bluetooth V2.0 protocol standards Potter default rate of 9600 Could be set to a transmitter or receiver			
	Operating Voltage	3.3 V			
	Output current	30 mA			
	Max dimension	28 mm x 15 mm x 2.35 mm			
	Operating range	30 feet			
	Warranty	Specify			
1.3	Compass module				
	Model	Specify			
	Country of Origin	Specify			
	Compass	Three-Axis Magnetic Field Module			
	Accuracy	1-2 degree			
	Voltage	3-6 V			
	Communication Interface	I2C			
	Max dimension	1.8 x 1.7 cm			
	Warranty	Specify			
1.4	12V Gear Motor				
	Model	Specify			
	Country of Origin	Specify			
	Gear motor	12V volt supply 150 RPM Total length 35mm, shaft length 10mm			

		Fully metal gears D type shaft			
	Warranty	Specify			
1.5	6V gear motor				
	Model	Specify			
	Country of Origin	Specify			
	Gear motor	Voltage: 6 V DC RPM: 300RPM Current: 35mA Diameter: 12mm Shaft length: 9mm Height (excl. shaft): 26mm Shaft diameter: 3mm Fully metal gears D type shaft			
	Warranty	Specify			
1.6	GPS module				
	Model	Specify			
	Country of Origin	Specify			
	GPS Module	Embedded GPS/Glonass Antenna 10Hz Navigation update rate			
	Accuracy	2.5 m or less			
	Interface	UART interface			
	Baud Rate	9600 bps			
	Voltage	5 V			
	Battery backup time	7 days			
	Start time	Cold start: < 30 seconds Hot start: < 2 seconds			
	Warranty	Specify			
1.7	GSM/GPRS Development boards				
	Model	Specify			
	Country of Origin	Specify			
	GSM/GPRS Development board	<ul style="list-style-type: none"> • Quad-Band 850 / 900/ 1800 / 1900 MHz • Compliant to GSM phase 2/2+ • Class 4 (2 W @ 850 / 900 MHz) • Class 1 (1 W @ 1800 / 1900MHz) 			
	Communication	Control via AT commands Short Message Service Embedded TCP/UDP stack GPRS multi-slot class 10/8			
	Interface	Serial interface			
	Warranty	Specify			
1.8	Long Distance Ultrasonic module				
	Model	Specify			
	Country of Origin	Specify			
	Ultrasonic module	Ultrasonic Distance Measuring Transducer Sensor			

	Range	16cm – 6 m			
	Interface	I2C or Serial			
	Frequency	40 kHz			
	Warranty	Specify			
1.9	Short Distance Ultrasonic module				
	Model	Specify			
	Country of Origin	Specify			
	Ultrasonic module	Ultrasonic Distance Measuring Transducer Sensor			
	Voltage	5 V			
	Detection distance	2 cm – 450 cm			
	Precision	<0.3 cm			
	Angle	>=15 Degrees			
	Warranty	Specify			
1.10	Servo motor				
	Model	Specify			
	Country of Origin	Specify			
	Servo motor	All Metal Gears Operating Speed: 0.17sec / 60 degrees (4.8V no load) Operating Speed: 0.13sec / 60 degrees (6.0V no load) Stall torque: 9kg/cm(4.8V) 12kg/cm (6V) Operation Voltage: 4.8 - 7.2Volts			
	Warranty	Specify			
1.11	Arduino Nano /GenuinoNano				
	Model	Specify			
	Country of Origin	Specify			
	Programmable Microcontroller	Atmel ATmega168 or ATmega328			
	Memory	FLASH- 16 KB (ATmega168) or 32 KB (ATmega328) SRAM- 1 KB (ATmega168) or 2 KB (ATmega328) EEPROM- 512 bytes (ATmega168) or 1 KB (ATmega328)			
	Clock	16 MHz oscillator			
	Pins	Digital I/O - 14 (of which 6 provide PWM output) Analog Input - 8			
	Dimensions	0.73" x 1.70"			
	Weight	5g or less			
	Warranty	Specify			
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line and an authorized letters from principals to certify these should be attached.			

1.12	Arduino MEGA / Genuino MEGA (Original)				
	Model	Specify			
	Country of Origin	Specify			
	Programmable Microcontroller	ATmega1280			
	Memory	FLASH- 128 KB of which 4 KB used by bootloader SRAM- 8 KB EEPROM- 4 KB			
	Clock	16 MHz oscillator			
	Pins	Digital I/O - 54 (of which 15 provide PWM output) Analog Input - 16			
	Input Voltage	6-20V			
	Weight	37 g or less			
	Warranty	Specify			
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line and an authorized letters from principals to certify these should be attached.			
1.13	Motion sensors				
	Model	Specify			
	Country of Origin	Specify			
	Motion sensor	Pyroelectric Infrared (PIR) Motion Sensor Working distance up to 7 m			
	Working Voltage	4.5 – 10 V DC			
	Output Voltage	3.3 TTL output			
	Detection angle	up to 110 degrees			
	Warranty	Specify			
1.14	Motor driver kit				
	Model	Specify			
	Country of Origin	Specify			
	Motor driver	L293D IC 4-H bridges 0.6A output current per Bridge			
	Voltage	4.5 – 36 V DC			
	Number of motors	4 Bi directional DC motors 2 Stepper motors			
	Warranty	Specify			
1.15	Pulse sensors				
	Model	Specify			
	Country of Origin	Specify			
	Heart Beat Sensor	Inbuilt Pulse Sensor Board Ear Clip for Earlobe Heart Rate Measurement Velcro Finger Strap			
	Operating Voltage	3-5 V			

	Output current	4 mA			
	Warranty	Specify			
1.16	Relay module				
	Model	Specify			
	Country of Origin	Specify			
	Relay module	Operating voltage: 5V Output Voltage: 230V Output Current: 10A			
	Warranty	Specify			
1.17	Tamiya Tracked Vehicle Chassis				
	Model	Specify			
	Country of Origin	Specify			
	Robot car chassis	Tamiya Tracked Vehicle Chassis Kit with two gear ratios			
	Warranty	Specify			
1.18	Robot chassis				
	Model	Specify			
	Country of Origin	Specify			
	Robot car chassis	4 x Gear Motor (1:48) 4x Speed encoder 8xFasteners 1 x Power button Tire Diameter > 65mm Motor Size > 70mm*22mm*18mm			
	Warranty	Specify			
1.19	Robot wheel				
	Model	Specify			
	Country of Origin	Specify			
	Robot wheel	All-metal gear (N20) Diameter 12mm, length of the shaft 6mm Output shaft diameter 3mm Operating voltage 3-9V >40mm D word rubber wheels			
	Warranty	Specify			
1.20	rubber tire wheel				
	Model	Specify			
	Country of Origin	Specify			
	Rubber tire wheel	Wheel size: >65x25mm			
	Warranty	Specify			
1.21	Step motor				
	Model	Specify			
	Country of Origin	Specify			
	Stepper motor	1.8-degree Step angle 2.8 V rated Voltage 1.7 A rated current 62Oz-in/4400gf.cm holding torque Rotor inertia: ~70			
	Warranty	Specify			

1.22	Temperature and Humidity sensor				
	Model	Specify			
	Country of Origin	Specify			
	Temperature & Humidity sensor	Digital output			
	Temperature sensor	Range: 0 ~ 50 Celsius Accuracy: <2 Celsius			
	Humidity sensor	Range: 20% ~ 90% RH Accuracy: <5.0% RH			
	Response time	<5 s			
	Warranty	Specify			
1.23	Long Rang Video transmitter + receiver				
	Model	Specify			
	Country of Origin	Specify			
	Transmitter	200mW 8 channel AV transmitter Operating voltage 12V Video format NTSC / PAL Video band width 8.0MHz			
	Receiver	Receiving frequency 5705 ~ 5945MHz; 8 Channels Double lines AV output Analog AV signal output Power supply voltage 6.5V ~ 12V			
	Frequency	5.8 GHz			
	Range	>2000m			
	Warranty	Specify			
1.24	WiFi development kit				
	Model	Specify			
	Country of Origin	Specify			
	WiFi development kit	ESP8266 chip 802.11 b / g / n WIFI @ 2.4 GHz, support for WPA / WPA2 security mode Integrated TCP/IP protocol stack Built in antenna			
	Voltage	3.3 V			
	Interface	TTL serial communication interface			
	GPIO pins	10 with PWM			
	Warranty	Specify			
1.25	WiFi module				
	Model	Specify			
	Country of Origin	Specify			
	WiFi Module	802.11 b / g / n WIFI @ 2.4 GHz, support for WPA / WPA2 security mode Integrated TCP/IP protocol stack Built in antenna			
	Voltage	3.3 V			
	Interface	TTL serial communication interface			

	GPIO pins	7 or max			
	Warranty	Specify			
1.26	Wireless Transceiver module				
	Model	Specify			
	Country of Origin	Specify			
	Wireless module	2400-2483.5 MHz ISM band operations Support 1 and 2 Mbps air data rate Programmable output power (-40dBm to 5dBm) 1.9V to 3.6V power supply 4-pin SPI interface with maximum 8 MHz clock rate			
	Warranty	Specify			
1.27	Long Rang Wireless module + Antenna				
	Model	Specify			
	Country of Origin	Specify			
	Wireless module	With Antenna 2.4Ghz ISM/SRD free license band IC : CC2500 Sensitivity: -110dBm@10KBPS at 1500 Meters Output Power:20dBm (100mW) Programmable output power Standard DIP interface			
	Range	50 m – 1500 m (Open area)			
	Warranty	Specify			
1.28	High Performance Computing Node				
	Model	Specify			
	Country of Origin	Specify			
	Number of Processors	2			
	Processor Family	Intel Xeon E5 v2 (Ivybridge) at 2.4 GHz or higher			
	Core	Each processor 16 cores			
	RAM	512GB			
	Hard Disk Drive	3 TB			
	SSD	512 GB			
	Interface	Two 10Gbps interfaces Two 1Gbps interfaces Support InfiniBand interface			
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components			
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.			
		The manufacturer should have minimum			

		of ten years' experience in manufacturing the same brand			
		Broachers/Technical documents for the bided items must be provided			
		All relevant technical brochures forwarded with tender documents			
		Comprehensive user guide			
		Complete track record on where the supplier has supplied the product			
		Recommendation letter about the product from the institution where the supplier has supplied the product.			
	Service centre location in Kilinochchi premises proximity	Specify			
1.29	High Performance Computing Node				
	Model	Specify			
	Country of Origin	Specify			
	Number of Processors	2			
	Processor Family	Intel Xeon E5 v2 (Ivybridge) at 2.4 GHz or higher			
	Core	Each processor 8 cores			
	RAM	252 GB			
	Hard Disk Drive	3 TB			
	SSD	512 GB			
	Interface	Two 10Gbps interfaces Two 1Gbps interfaces Support InfiniBand interface			
	GPGPU support	NVIDIA K40 GPU			
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components			
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.			
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand			
		Broachers/Technical documents for the bided items must be provided			
		All relevant technical brochures forwarded with tender documents			
		Comprehensive user guide			
		Complete track record on where the supplier has supplied the product			

		Recommendation letter about the product from the institution where the supplier has supplied the product.			
	Service centre location in Kilinochchi premises proximity	Specify			
1.30	Tower Model Computer				
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)			
	Model	Specify			
	Country of Origin	Specify			
	Chassis	Mini tower			
	Processor Family	4th Generation Intel® Core™ i5			
	External rated clock speed	3.40 GHz			
	Data width	64 bit			
	Number of cores	4			
	Level 1 cache size	2 x 64 KB instruction cache, 2 x 64 KB data caches or similar			
	Level 2 cache size	2 x 512 KB			
	Level 3 cache	6 MB shared			
	Main Memory	8 GB, DDR3 SDRAM (1600 MHz)			
	Chipset	Intel® H81 Express or equivalent			
	IO Ports	1 full height PCIe x16			
		3 full height PCIe x1			
		2 External USB 3.0 ports and			
		6 External USB 2.0 ports (2 in the front, 6 in the back)			
	Network Interfaces	Integrated Ethernet LAN 10/100/1000 Mbps full duplex Ethernet Port with RJ45 connector			
	Graphic Adapter & Interface	Integrated Intel® HD Graphics 4600,			
		Video ports : VGA/DVI and HDMI with dual display capability			
	Hard Disk Drive	Minimum of 1 TB SATA (7200 rpm or better) disk drives			
	Optical Storage	16X Max DVD RW with Dual Layer Write Capabilities			
	Audio Interface	Integrated Realtek, High Definition Audio Codec or equivalent			
	Monitor	23" WHD Monitor with WLED with direct AC power input (should be the same brand)			
	Power supply Rated Capacity	265W rated for continuous operation with forced circulation cooling system			
	Operating	180V to 250V			

	Voltage				
	Input frequency	47Hz-63Hz			
	Security Features	Manual Lockable side openings			
	Weight (lbs/kg)	Specify			
	Keyboard	USB Keyboard			
	Mouse	USB optical mouse			
	Operating System	Preloaded and activated Windows 7 Professional (with Genuine activation Keys)			
		(Recovery Media should be provided)			
	Warranty	3 years comprehensive warranty inclusive of Parts and Labour for ALL system components and peripheral devices supplied			
	Qualification of bidders	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.			
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand			
		Broachers/Technical documents for the bided items must be provided			
		All relevant technical brochures forwarded with tender documents			
		Comprehensive user guide			
		Complete track record on where the supplier has supplied the product			
		Recommendation letter about the product from the institution where the supplier has supplied the product.			
	Service centre location in Kilinochchi premises proximity	Specify			
1.31	Online UPS 6kVA				
	Topology	Online, double conversion			
	Input Specifications Nominal input voltage Input frequency Input voltage range Input power factor	230V 40-70 Hz 180V-260V AC Specify			

	Output Specifications Output capacity Nominal output voltage Efficiency at full load Wave form Battery backup time	6kVA 230V >94% at double conversion mode Sinusoidal 8-10 min at full load and 12-16 min at half load			
	Bypass Type	Specify			
	Bypass input voltage range	Specify			
	Operating temperature	< 10 °C to >40°C			
	Humidity	0 to > 93 RH			
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)			
	Model Name	(Specify)			
	Dimensions (WxDxH)	(Specify)			
	Weight	(Specify)			
	Battery type	Maintenance-free sealed- Lead-Acid battery with suspended electrolyte; Leak proof			
	Warranty	Three year comprehensive – Warranty should cover the whole unit including battery.			
	Other technical features	Surge and Noise protection			
		Should have audible fault detection / alarm			
		LED status display with On Line, On Battery, Charge level, Replace Battery and Overload indicators			
		Should have automatic measure to prevent complete run down of battery			
		Should have management interface			
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand			
		Broachers/Technical documents for the bided items must be provided			
	Service centre location in Kilinochchi premises proximity	Specify			
	Documentation	All relevant technical brochures forwarded with Tender Documents.			
		Comprehensive user guide			

		Complete track record on where the supplier has supplied the product			
		Recommendation letter about the product from the institutions where the supplier has supplied the product			
1.32	Interactive Ultra Short Throw Multimedia Projector with Wall Mounting Accessory				
	Make	Should be a Branded Product (with ISO 9000 certification for manufacturing)			
	Model Name	(Specify)			
	Dimensions (WxDxH)	(Specify)			
	Weight	(Specify)			
	System Type	Ultra short Throw Projector			
	Brightness	3300 lumens or more			
	Aspect Ratio:	4:3 and 16:9			
	Native Resolution:	1280 x 800 (WXGA) or high			
	Lamp Type	(Specify)			
	Lamp Life:	4000 hours or more			
	Throw Ratio Range	0.3:1			
	Provided Mount	Compatible Wall Mount / Ceiling mount			
	Keystone Correction:	Automatic			
	Contrast Ratio	10,000:1 or more			
	Color Reproduction:	Up to 1.07 billion colors			
	Image Optimizer	Yes			
	Projection Lens Type:	Powered			
	PC-Less Interactive	Yes			
	PC-Less Presentation	Yes			
	Network LAN Wireless IEEE802.11b/g/n Support	Yes			
	Speakers Output	Stereo x 8W or more			
	Interfaces:	Computer Input: mini D-sub 15 pin x 1 or more			
		Computer Output: mini D-sub 15 pin x 1			
		Video input: HDMI x 2 or more			
		Composite video: RCA x 1			
		Audio input: 3.5mm Stereo mini jack x 1			
		Audio Output: 3.5mm Stereo mini jack x 1			
		Network LAN: RJ-45			
		USB connector: Type A x 1 (PC-free and			

		other)			
		USB connector: Type B x 1 (USB Plug 'n Play)			
		RS232C Control: 9-pin D-sub			
	Compatibility:	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC 16" NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM, 480i, 480p, 576i, 720p, 1080i, 1080p			
	Operating Temperature	(10° to 35° C)			
	Power Supply Voltage:	240 V ±10%, 50/60 Hz			
	Power Consumption:	(Specify)			
	Fan Noise:	Less than 40dB			
	Security:	Kensington®-style lock			
	Remote Control Features	Source search selection, power, volume, A/V mute, freeze, menu, page up and down, auto, mouse functions			
	Remote Control operating distance	5m or more			
	Wall Mounting accessory	Should be provided			
	Warranty	3 Years Comprehensive			
	Bidders qualifications	The organization who bid for the tender should be an authorized service provider of quoted product line for at least five years and an authorized letters from principals to certify these should be attached.			
		The manufacturer should have minimum of ten years' experience in manufacturing the same brand			
		Broachers/Technical documents for the bided items must be provided			
	Service centre location in Kilinochchi premises proximity	Specify			
	Documentation	All relevant technical brochures forwarded with Tender Documents.			
		Comprehensive user guide			
		Complete track record on where the supplier has supplied the product			
		Recommendation letter about the product from the institutions where the supplier has supplied the product			

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.

CC 1.1(i)	The Purchaser is: University of Jaffna
CC 1.1 (m)	The Project Site(s)/Final Destination(s) is/are: University of Jaffna.
CC 8.1	For notices, the Purchaser's address shall be: Bursar Attention: Bursar Address: University of Jaffna, P.O Box 57, Thirunelvely, Jaffna. Telephone:021-2222644
CC 11	Goods shall be supplies in compliance with the quality and the specification given.
CC 15.1	CC 15.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: A: For Goods offered within Sri Lanka Payment shall be made in Sri Lanka Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. i) On Delivery: up to a maximum of ninety (90) percentage of the Contract Price, shall be paid on receipt of the Goods. (ii) On Acceptance: the remaining ten (10) percentage of the Contract Price shall be paid to the Supplier within ninety (90) days. After the certification of acceptance.
CC 17.1	A Performance Security – 10%
CC 26.1	The liquidated damage shall be: 2% per week
CC 26.1	The maximum amount of liquidated damages shall be: 10 %



UNIVERSITY OF JAFFNA

INVITATION FOR BIDS

Supply of Computer, Electrical, Electronic & Lab Equipment to the Faculty of Engineering, University of Jaffna.

UJ/F/PO/T/04/2016

Chairperson, Department Procurement Committee, University of Jaffna, Jaffna, Sri Lanka, invites sealed bids from eligible bidders for supply of following items to the University of Jaffna.

1. Bidding will be conducted through the National Competitive Bidding (NCB) procedure.
2. Bidder should have at least three years experience in the relevant field in Sri Lanka.
3. Interested eligible bidders may obtain further information from the Senior Assistant Bursar / Supplies of the University of Jaffna, and inspect the bidding documents at the Supplies Branch of the University between 9.00 am to 3.00 pm from **10.06.2016 to 12.07.2016**.
4. A complete set of bidding documents in English may be purchased by interested bidders on submission of a written application to the Senior Assistant Bursar / Supplies, University of Jaffna and upon payment of a non-refundable fee of Rupees 2,000/=per package in cash at the Shroff Counter of the University of Jaffna. The bidder can also download the bidding documents from the University website www.jfn.ac.lk. Those who are obtaining bidding documents from the University website should submit the complete documents along with a Bank Draft drawn in favour of the “Bursar, University of Jaffna, Sri Lanka” for Rs. 2,000/=per package as non-refundable fee or the payments could be made to Peoples Bank, Jaffna University Branch, account no: **162-1-001-6-0000880**, and the **cash receipt/deposit slip to be attached with the bidding documents**. The documents may be purchased until 2.30 p.m from **10.06.2016 to 12.07.2016**.
5. Bids must be delivered in duplicate to be addressed **Bursar, University of Jaffna, Thirunelvely**, on or before **2. 00p.m on 13.07.2016**. Please indicate the “**Supply of Computer, Electrical, Electronic & Lab Equipment- UJ/F/PO/T/04/2016 – 13.07.2016**” on the left hand corner of the envelope.
6. All bids must be accompanied by a Bid Security addressed to the **Chairperson, Department Procurement Committee, University of Jaffna**, valid for 120 days from the date of the bid opening as specified in the following Table.

Serial No	Description of Items	Quantity	Bid Security
Package 1 – Supply of Computer Engineering Equipment			170,000.00
1.1	Accelerometer	20	
1.2	Bluetooth Transceiver module	20	
1.3	Compass module	10	
1.4	12V Gear Motor	30	
1.5	6V gear motor	30	
1.6	GPS module	10	
1.7	GSM/GPRS Development boards	10	

1.8	Long Distance Ultrasonic module	10		
1.9	Short Distance Ultrasonic module	40		
1.10	Servo motor	20		
1.11	Arduino Nano / Genuino Nano(Original)	20		
1.12	Arduino MEGA / Genuino MEGA (Original)	20		
1.13	Motion sensors	40		
1.14	Motor driver kit	20		
1.15	Pulse sensors	5		
1.16	Relay module	20		
1.17	Tamiya Tracked Vehicle Chassis	10		
1.18	Robot chassis	10		
1.19	Robot wheel	25		
1.20	Rubber tire wheel	80		
1.21	Step motor	20		
1.22	Temperature and Humidity sensor	40		
1.23	Long Rang Video transmitter + receiver	5		
1.24	WiFi development kit	10		
1.25	WiFi module	10		
1.26	Wireless Transceiver module	20		
1.27	Long Rang Wireless module + Antenna	20		
1.28	High performance Computing node (Two processors each with 16 core, 512 GB RAM, 3TB hard disk with multiple Ethernet interface.)	1		
1.29	High performance computing node(Two processors each with 8 core, 256 GB RAM, 3TB hard disk)	2		
1.30	Tower Model Computer	40		
1.31	Online UPS 6kVA	2		
1.32	Interactive Ultra Short Throw Multimedia Projector with Wall Mounting Accessory	2		
Package 2 - Supply of Electrical & Electronic Engineering Equipment				360,000.00
2.1	Raspberry Pi Single board Linux platform	10		
2.2	Beagle Bone Single board Linux platform	4		
2.3	Banana Pi Single board Linux platform	5		
2.4	Programable microcontroller development board	15		
2.5	Micro controller programmer with universal programing adapter seat, USB cable and 6 pin cable	5		
2.6	Programmable microcontroller development board with bread board included	15		
2.7	Microcontroller starter kit with necessary software tools (builder, simulator ,emulator) and ISP programmer(USB).	15		
2.8	FPGA trainer board	15		
2.9	Transistor based voltage regulator trainer kit	4		
2.10	Digital combinatory logic training kit	4		

2.11	Digital sequential logic trainer kit	2	
2.12	Digital Electronic trainer kit	4	
2.13	Step Motor Control kit	4	
2.14	Universal motor control board	3	
2.15	Digital Lux meter	1	
2.16	3 Phase Power Pack	1	
2.17	Power Factor Control Unit	1	
2.18	Asynchronous Wind Mill System including HVDC Light Line	1	
2.19	Flex Stand	6	
2.20	Flex set	1	
2.21	Flywheel	1	
2.22	TECNEL. Unit	1	
2.23	Pulse Generator	1	
2.24	Power factor meter	2	
2.25	Frequency meter	2	
2.26	Current Transformer	3	
2.27	PWM DC-Machine Control Module	2	
2.28	Drill Bench	1	
2.29	PCB shears	1	
2.30	Electrical hand driller	1	
2.31	Rheostat	4	
2.32	Rheostat	4	
2.33	Rheostat	4	
2.34	Digital and Analog Communication Trainer kit with jumper wire	1	
2.35	Digital Storage Oscilloscope	10	
2.36	Inductor bank	2	
2.37	Resistor bank	3	
2.38	Capacitor bank	2	
2.39	Glue gun and sticks	10	
2.40	Wireless Microphone set	2	
2.41	Wheatstone Bridge	5	
2.42	NI ELVIS II+ for Labview	2	
2.43	Multisim Education 25 user	1	
2.44	Digital Duplicator Machine	1	
2.45	Colour Laser Printer	1	
2.46	Hot air gun	3	
2.47	QUADCOPTER FOR DEVELOPERS	1	
2.48	humanoid robot	1	
2.49	Three phase synchronous generator	2	

2.50	Three phase induction motor	2	
2.51	Single phase motor	2	
2.52	Synchronizing module	3	
2.53	Optical fibre training kit	1	
2.54	UV Laser based PCB machine	1	
2.55	Reflow oven	1	
2.56	Altera FPGA Starter Development Kit	20	
2.57	Signal Generators	10	
2.58	Spectrum Analyzer	5	
2.59	Arbitrary Waveform Generator	2	
2.60	Transmission Line trainer	1	
2.61	Analog Multimeter	10	
2.62	Genuino Starter Kit (Original)	20	
2.63	Arduino MEGA 2560 / Genuino MEGA 2560 (Original)	20	
2.64	Arduino Due(Original)	20	
2.65	Arduino ZERO/ Genuino ZERO(Original)	10	
2.66	ArduinoYún(Original)	10	
2.67	ArduinoWiFi Shield(Original)	5	
2.68	Arduino Ethernet Shield WITH PoE Module(Original)	5	
2.69	Arduino GSM Shield (integrated antenna)(Original)	5	
2.70	Arduino Motor Shield (Original)	15	
2.71	Motor/Stepper/Servo Shield for Arduino Kit(Original)	20	
2.72	Assembled Data Logging shield for Arduino(Original)	20	
2.73	Android Phone to generic shield converter for Arduino(Original)	20	
2.74	Music Shield(Original)	20	
2.75	USB Stick DSP Development Tool(Original)	20	
2.76	Advanced USB Stick DSP Development Tool(Original)	20	
2.77	DSP Evaluation Module(Original)	15	
2.78	DSP Starter Kit (DSK)(Original)	20	
2.79	Proteous	1	
2.80	4DOF Robot Arm Kit	5	
2.81	6DOF Robot Arm	1	
2.82	Dual measurement multimeter digital	10	
Package 3 – Supply of Lab Furniture			10,000.00
3.1	Computer Table	40	
3.2	Computer Chair	60	
3.3	Laboratory Table	8	

➤ For Bid Documents & Details visit University website www.jfn.ac.lk

7. Pre Bid meeting will be held on **01st July at 10.00 a.m.** in the Board Room of University of Jaffna
8. The bids shall be deposited in the 'Tender Box' available in the Bursar's Office of the University, or sent under Registered Cover to be received before the deadline to the address given Clause No.5.
9. Late bids will be rejected.
10. The bids will be opened at **2. 00p.m on 13.07.2016**, in presence of the bidders or their authorized representatives who choose to attend the bid opening at the board room of the University.

The Chairperson,
Department Procurement Committee,
University of Jaffna,
Jaffna.

TP. / Fax No: 021-2220962, 021-2222644


M. G. L. Maveekumbura
Senior Assistant Bursar (Supplies)
University of Jaffna
Jaffna