



University of Agriculture, Faisalabad

Bidding Documents

Corrigendum

Tender No.127/2016

SPECIAL INSTRUCTIONS

- i. No cutting, erasing is allowed in the bid;
- ii. Bid offered, strictly in accordance with the bidding documents, will only be accepted;
- iii. Only typed bid will be accepted failing which it will be considered as non-responsive.

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Section I.

Invitation for Bids



**UNIVERSITY OF AGRICULTURE, FAISALABAD
(TENDER NOTICE No.127/2016)**

Sealed tenders are invited from Income Tax and Sales Tax registered firms on the basis of Two Stage (two envelop procedure) on turnkey basis for the following:-

1. Dismantling/removing of existing elevator from the Admin Block;
2. Supply, Installation, Testing Commissioning of a Elevator in the Admin Block;
3. Providing and Fixing of Curtin Wall.

Date of Receiving and Opening	10.11.2016 instead of 02.11.2016
Receiving Time	10:30 a.m.
Opening Time	11:00 a.m.
Bid Security	2% of the
	Estimated Cost
Tender Fee	Rs.500/-

The bidding documents are available in the office of the undersigned and the same may be obtained subject to the payment of the cost of the printing and provision of the document (Tender Fee) as mentioned above to be deposited in the University Income Account (No.11-9/NBP, UAF Branch), in case of city other than Faisalabad add Rs.200/-. The bidding documents can also be downloaded free of cost from the UAF website [www.uaf.edu.pk/Admininstration/Directorate of Procurement & Inventory Control](http://www.uaf.edu.pk/Admininstration/Directorate%20of%20Procurement%20&%20Inventory%20Control).

DR. SHAHID AFZAL GILL
Director (DPIC)
(For & On behalf of the Committee)
 Phone#041-9200898, 9200161 Extn.3503/3504
 E.Mail: dpic@uaf.edu.pk
store_officer@uaf.edu.pk

Section II.

Instructions to Bidders

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Instructions to Bidders

A. Introduction

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| 1. Source of Funds | University of Agriculture, Faisalabad. |
| 2. Eligible Bidders | <p>2.1 The invitation for Bids is opened to all supplier having trade relations with Pakistan and registration for National Tax Number & Sales Tax Number with Federal Board of Revenue</p> <p>2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, 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 this Invitation for Bids.</p> <p>2.3 Only Government owned enterprises may participate, only if they are legally allowed.</p> <p>2.4 bidders shall not be under a declaration of ineligibility in accordance with ITB 36.1&37 by any Government organization. The bidder shall provide affidavit to this effect.</p> |
| 3. Eligible Goods and Services | <p>3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries and all expenditures made under the contract will be limited to such goods and services.</p> <p>3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of goods and services is distinct from the nationality of the Bidder.</p> |
| 4. Cost of Bidding | <p>4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser named in the bid date sheet, hereinafter referred to as “the purchaser” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.</p> |

B. The Bidding Documents

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| 5. Content of Bidding Documents | <p>5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:</p> <ul style="list-style-type: none">(a) Instructions to Bidders (ITB)(b) Bid Data Sheet(c) General Conditions of Contract (GCC)(d) Special Conditions of Contract (SCC)(e) Schedule of Requirements(f) Technical Specifications(g) Bid Form and Price Schedules(h) Bank Guarantee Form if applicable(i) Manufacturer's Authorization Form(j) Integrity pact.(k) Mechanism of Blacklisting and Deregistration <p>5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.</p> |
| 6. Clarification of Bidding Documents | <p>6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing at the Purchaser's address indicated in the Bid Data Sheet. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives prior to the deadline for the submission of bids prescribed in ITB Clause 19.1. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents.</p> |
| 7. Amendment of Bidding Documents | <p>7.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.</p> <p>7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.</p> <p>7.3 In order to allow prospective bidders reasonable time in which</p> |

to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

- 8. Language of Bid** 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified above, in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Constituting the Bid** 9.1 The bid prepared by the Bidder shall comprise the following components:
- (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
 - (b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
 - (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
 - (d) bid security furnished in accordance with ITB Clause 15.
- 10. Bid Form** 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 10.2 Bidders tendering for engineering goods produced in Pakistan shall be accorded a price preference in rupees up to a specific percentage (in proportion to the value addition) of the lowest quoted landed cost of an item of foreign origin with similar specifications as mentioned in the tenders:
- (1) Provided that-
 - (a) The saving in foreign exchange is not less than the amount of price preference; and
 - (b) It is ensured that in each case of such preference, the total import requirements for producing the supplies tendered for locally manufactured items has been duly indicated by the bidders.

(2) Price preference shall be allowed as under:-

- (a) Having minimum of twenty percent value addition through indigenous manufacturing price preference shall fifteen percent;
- (b) Having over twenty percent and up to thirty percent value addition through indigenous manufacturing, price preference shall be twenty percent, and
- (c) Having over thirty percent value addition through indigenous manufacturing, price preference shall be twenty five percent.

(3) For the purpose of granting a margin of domestic preference bids will be classified into following groups.

Group.A. Bids offering engineering goods produced in Pakistan.

Group.B. Bids offering good of foreign origin to be imported by the purchaser through the supplier's Local (Pakistan) Agent.

Group.C. Bids offering good of foreign origin to be imported by the purchaser directly.

11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be entered separately in the following manner or specified otherwise in the Bid Data Sheet:-

a). for goods offered from within Pakistan;

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

b). for goods offered from abroad by the local agent of Pakistan:

the price shall be quoted on Free in Stores Plus (FIS+) UAF basis. (FIS+ means the price of goods quoted by the bidder shall be inclusive of all domestic and abroad costs, expenses, charges, duties and taxes etc. whatsoever

except customs duty and of the Pakistan incidental to their delivery installation/commissioning at UAF site). The bidder, in quoting the price, shall be free to use transportation in abroad other than Israel.

- c) for goods offered from abroad by the foreign principal directly:

the price shall be quoted CFR/CPT Karachi seaport or Lahore airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties and taxes etc. whatsoever expect customs duties, incidental to delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad other than Israel.

11.3 The terms CFR, CPT, etc., shall be governed by the rules prescribed in the current edition of *Incoterms* published by the International Chamber of Commerce, Paris or otherwise specified in the Bid Data Sheet and SCC

11.4 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.

11.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies

12.1 Prices shall be quoted in the following currencies:

- (a) For goods and services that the Bidder will supply from within the Purchaser Country, the prices shall be quoted in Pak Rupees, unless otherwise specified in the **Bid Data Sheet**.
- (b) For goods and services that the Bidder will supply from outside the Purchaser Country, the prices shall be quoted in any currency. However the payment will only be made by the purchaser in pak rupees in case of ITB clause 11.2 (b)

and SCC.

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| 13. Documents Establishing Bidder's Eligibility and Qualification | <p>13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.</p> <p>13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.</p> <p>13.3 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> <ul style="list-style-type: none"> (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Purchaser Country; (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract; (c) that, in the case of a Bidder not doing business within the Purchaser Country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and (d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet. |
| 14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents | <p>14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.</p> <p>14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.</p> <p>14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:</p> <ul style="list-style-type: none"> (a) a detailed description of the essential technical and performance characteristics of the goods; |

- (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the **Bid Data Sheet**, following commencement of the use of the goods by the Purchaser; and
- (c) an item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

- 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security @ 2% of the Estimated Cost or in the amount specified otherwise in the **Bid Data Sheet**.
- 15.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.
- 15.3 The bid security shall be denominated in the currency of the bid or in another freely convertible currency, and shall be in one of the following forms:
 - (a) Call deposit receipt (CDR).
- 15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as nonresponsive, pursuant to ITB Clause 24.
- 15.5 Unsuccessful bidders' bid securities will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.
- 15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 34, and furnishing the performance security, pursuant to ITB Clause 35.

15.7 The bid security may be forfeited:

- (a) if a Bidder:
 - (i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form, or
 - (ii) does not accept the correction of errors pursuant to ITB Clause 24.2; or
- (b) in the case of a successful Bidder, if the Bidder fails:
 - (i) to sign the contract in accordance with ITB Clause 34; or
 - (ii) to furnish performance security in accordance with ITB Clause 35.

**16. Period of
Validity of
Bids**

- 16.1 Bids shall remain valid for the period specified in the **Bid Data Sheet** after the deadline date of bid submission prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.
- 16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

**17. Format and
Signing of
Bid**

- 17.1 The Bidder shall prepare an original bid indicated in the **Bid Data Sheet**, clearly marking each "TECHNICAL BID" and "FINANCIAL BID," as appropriate. In the event of any discrepancy between them, the original shall govern.
- 17.2 The original bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

- 18. Sealing and Marking of Bids**
- 18.1 The Bidder shall seal the Technical and Financial Bid in separate envelopes, duly marking the envelopes as “TECHNICAL” and “FINANCIAL.” The envelopes shall then be sealed in an outer envelope.
- 18.2 The inner and outer envelopes shall:
- (a) be addressed to the Purchaser at the address given in the **Bid Data Sheet**; and
 - (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the **Bid Data Sheet**, pursuant to ITB Clause 22.1.
- 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late.”
- 18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.
- 19. Deadline for Submission of Bids**
- 19.1 Bids must be received by the Purchaser at the address specified under ITB Clause 18.2 (a) not later than the time and date specified in the **Bid Data Sheet**.
- 19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 20. Late Bids**
- 20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.
- 21. Modification and Withdrawal of Bids**
- 21.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 21.2 The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. A withdrawal notice may also be sent by fax, but followed by a signed confirmation copy,

postmarked not later than the deadline for submission of bids.

21.3 No bid may be modified after the deadline for submission of bids.

21.4 No bid may be withdrawn 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 Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Purchaser

22.1 The Purchaser will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the **Bid Data Sheet**. The bidders' representatives who are present shall sign a register evidencing their attendance.

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.

22.4 The Purchaser will prepare minutes of the bid opening.

23. Clarification of Bids

23.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

24. Preliminary Examination

24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in

words will prevail. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.

- 24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- 24.4 Prior to the detailed evaluation, pursuant to ITB Clause 26, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 31), and Taxes and Duties (GCC Clause 33), will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**25. Conversion
to Single
Currency**

25.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to either:

- (a) Purchaser Country at the selling exchange rate established for similar transactions by the State Bank of Pakistan and National Bank of Pakistan or specified otherwise;

25.2 The currency selected for converting bid prices to a common base for the purpose of evaluation is Pak Rupees to be converted as per rate of the bank shown in ITB 25.1 (a) on the date of opening of the financial bid or specified otherwise in the **Bid Data Sheet**.

**26. Evaluation
and
Comparison
of Bids**

26.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

26.2 The Purchaser's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the **Bid Data Sheet**, and quantified in ITB Clause 26.3:

- (a) delivery schedule offered in the bid;
- (b) deviations in payment schedule from that specified in the Special Conditions of Contract;
- (c) the cost of components, mandatory spare parts, and service;
- (d) the availability in the Purchaser's country of spare parts and after-sales services for the equipment offered in the bid;
- (e) the projected operating and maintenance costs during the life of the equipment;
- (f) the performance and productivity of the equipment offered; and/or
- (g) other specific criteria indicated in the **Bid Data Sheet** and/or in the Technical Specifications.

26.3 For factors retained in the Bid Data Sheet pursuant to ITB 26.2, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

- (a) *Delivery schedule.*
 - (i) The goods covered under this invitation are required to be delivered (shipped) 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 to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.
- (b) *Deviation in payment schedule.*
 - (i) The SCC stipulates the payment schedule offered by the Purchaser. If a bid deviates from the schedule it will be considered as non-responsive bid.

(c) *Cost of spare parts.*

- (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation shall be specified by the bidder. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

- (ii) The bidder will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.
- (d) *Spare parts and after sales service facilities in the Purchaser's country.*

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, if outlined in the **Bid Data Sheet** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(e) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the **Bid Data Sheet** or in the Technical Specifications.

(f) *Performance and productivity of the equipment.*

- (i) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid or otherwise specified in the **Bid Data Sheet** or in the Technical Specifications.

(g) *Specific additional criteria*

Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the **Bid Data Sheet** and/or the Technical Specifications.

26.4. Delivery Schedule.

As mentioned in Bid Data Sheet.

27. Domestic Preference

- 27.1 If the **Bid Data Sheet** so specifies, the Purchaser will grant a margin of preference to goods manufactured in the Purchaser's country for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs, provided the Bidder shall have established to the satisfaction of the Purchaser that its bid complies with the criteria specified in ITB Clause 10.2 (a):
- 27.2 The Purchaser will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules, pursuant to ITB Clauses 10 and 11.
- 27.3 All evaluated bids in each group will then be compared among themselves to determine the lowest evaluated bid of each group. The lowest evaluated bid of each group will next be compared with the lowest evaluated bids of the other groups. If this comparison results in a bid from Group A or Group B being the lowest, it will be selected for contract award.
- 27.4 If, as a result of the preceding comparison, the lowest evaluated bid is from Group C, all Group C bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of the imported goods offered in each Group C bid, for the purpose of this further comparison only:
- (a) the amount of customs duties and other import taxes that a nonexempt importer would have to pay for the importation of goods offered in each Group C bid;

If the Group A bid in the further comparison is the lowest, it will be selected for award. If not, the lowest evaluated bid from Group C, as determined from the comparison under ITB Clause 27.3 above, will be selected for award.

28. Contacting the Purchaser

- 28.1 From the time of bid opening to the time of contract award, if any bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract**29. Post-qualification**

- 29.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to

perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.

29.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Purchaser deems necessary and appropriate.

29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

**30. Award
Criteria**

30.1 Subject to ITB Clause 32, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

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

31.1 The Purchaser reserves the right at the time of contract award to increase or decrease, as per requirement, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

- 32. Purchaser's Right to Accept Bid and to Reject All Bids**
- 32.1 The Purchaser reserves the right to accept bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders.
- 33. Notification of Award**
- 33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify/inform the successful and unsuccessful Bidder in writing by letter or by Fax/ e-mail, or telephonically, that its bid has been accepted and unaccepted as the case may be.
- 33.2 The notification of award will constitute the formation of the Contract.
- 33.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 35, the Purchaser will discharge bid security to each unsuccessful Bidder on his written request, pursuant to ITB Clause 15.
- 33.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder.
- 34. Signing of Contract**
- 34.1 After 10 days from the announcement of evaluation report, the Purchaser will send supply order or Formal Contract as the case may be to successful bidder. In case of formal contract, the successful bidder will send back the contract to the purchaser duly signed within 7 days from the issuance date. Failing which the Purchaser reserves the right under ITB Clause 15.7.
- 35. Performance Security**
- 35.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of CDR or Bank guarantee at the discretion of the Purchaser. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately and the bid security will be retained to meet the requirement of performance security.
- 35.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 34.2 or ITB Clause 35.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids.
- 36. Corrupt or Fraudulent Practices**
- 36.1 The purchaser as well as Bidders/Suppliers/Contractors should observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the PPRA Govt. of the Punjab;

- (a) the terms set forth below as follows:
 - (i) “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) The Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a University Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University Contract.

36.2 Furthermore, Bidders shall be aware of the provision stated in Clauses 5.4 and 24.1 of the General Conditions of Contract.

37.Blacklisting/37.1 the Purchaser reserves the right to blacklist or deregister (may impose Permanent or temporary bar for participation in the procurement proceedings respectively) the bidder as follows:-

- (a) **Blacklisting:** The bidder who
 - (i) Fail to perform contractual obligations or the performance under the contract is not upto the mark;
 - (ii) Found to be indulging in corrupt or fraudulent practices;
 - (iii) Commit an action causing or liable to cause loss to the University;
 - (iv) Furnish false information;
- (b) **Deregistration:** The bidder who
 - (i) Submit bid as employee of the firm, or proprietor or shareholder being an employee of the University;
 - (ii) Show non-responsive attitude in case of summoning by the University.

- (iii) Back out from their offers after opening of tender;
- (iv) Misbehave with the University employee;

37.2 The bidder shall provide affidavit that the firm was not declared blacklisted or deregistered by any of the Federal and Provincial Government institution.

Section III.

Bid Data Sheet

Bid Data Sheet

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.

A-Introduction	
ITB 2.1	The invitation for Bids is opened to all suppliers having registration for National Tax Number & Sales Tax Number with Federal Board of Revenue.
ITB 2.3	Government owned enterprises may participate, only if they are legally allowed.
ITB 2.4	In addition to the contents of ITB 2.4 the bidder shall not be blacklisted by any organization of the Government of the Punjab as well as Federal Government. The bidder shall provide affidavit to this effect.
ITB 4.1	Name of Purchaser: Prof. Dr. Allah Bakash, Dean, Faculty of Agri. Engg. & Tech
B- Bidding Documents	
ITB 5.1(h)	Not applicable
ITB 6.1	<p>Purchaser's address: Prof. Dr. Allah Bakash, Dean/Convener, Faculty of Agri. Engg. & Technology, University of Agriculture, Faisalabad (UAF), telephone, and facsimile numbers through</p> <p style="color: red;">Directorate of Procurement & Inventory Control (DPIC) University of Agriculture, Faisalabad Phone No. 041-9200898 Fax. 041-9200898</p> <p style="color: red;"><u>FOR TECHNICAL RESPONSE:</u></p> <ol style="list-style-type: none"> 1. Dr. Muhammad Azam Khan, Incharge Motor Pool 2. Mr. Ahsan Raza Sattar, Assistant Professor, Computer Science 3. Executive Engineer, ECD-P
C-Preparation of Bid	
ITB 8.1	Language of the bid. “English”
ITB 11.2 (a)	Prices on Free on Rail Faisalabad (FOR) shall be mentioned.
ITB 11.2 (c)	Not applicable
ITB 11.3	

ITB 13.3 (d)	<p>Qualification requirements.</p> <p>1. Company /Bidder Profile:</p> <p>Eligibility Criteria:</p> <p>i. The bidders shall</p> <ul style="list-style-type: none"> a. have a minimum ten year experience b. be the manufacturer, authorized representative and sole distributor for Pakistan c. have completed at least Five (05) projects in Pakistan during last ten (10) years with the same brand of equipment being offered for this job <p>ii. The prospective bidder may submit their offer with following documents: -</p> <ul style="list-style-type: none"> a) Name of the firm, address, status, telephone and fax numbers, years of experience b) Income tax registration certificate c) Income tax return of last three years d) Sales tax registration certificate e) List of permanent engineering staff with qualifications f) List of machinery Tools & equipment available with the firm g) List of projects completed during last 10 years, with the letter from Employer h) Undertaking that the firm has never been blacklisted for any government or semi government department i) Undertaking that the firm has never been involved in litigation with any government /semi government or private department j) Bank statement of last 3 years k) Copy of CNIC l) Copy of Professional Tax
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ITB 15.1	Amount of bid security. 2% of the Estimated Cost in shape of Call Deposit Receipt (CDR) in favor of Director (DPIC), UAF to be attached with Technical Bid.
ITB 16.1	Bid validity period. 90 Days
ITB 17.1	Bid: Financial and Technical Separately. Also a soft copy of Technical Bid Only. However; the bidder shall quote financial bid including and excluding GST / PST.
D-Submission of Bid	
ITB 18.2 (a)	Address for bid submission. Directorate of Procurement & Inventory Control, University of Agriculture, Faisalabad
ITB 18.2 (b)	Tender Notice No.127/2016
ITB 19.1	Deadline for bid submission.10.11.2016
E-Bid Evaluation	
ITB 25.1(a)	State Bank or a Commercial Bank to be read as State Bank of Pakistan and National Bank of Pakistan
ITB 25.2	The common base currency is PAK Rupee to be converted as per rate of the bank shown in ITB 25.1(a) of the bid data sheet on the date of opening of the financial bid.
ITB 26.3 (a)(i)	The SCC stipulates the payment schedule offered by the purchaser. If a bid deviates from the schedule then it will be considered as non-responsive.
ITB 26.3 (c)	The bidder will provide the cost of spare parts required to be replaced during whole life of the goods after the expiry of warranty period.
ITB 26.3 (e)	The bidder will provide :- i) Cost of consumables ii) Life cycle of the goods
ITB 26.3 (f)	Performance and productivity of Goods. As per Technical Specification
ITB 26.3 (g)	As per specification.
ITB 27	As per ITB clause 10.2 prior to the award of procurement contract
ITB 33	Subject to PPRA Rule 2014/UAF Procurement Rule 2014, the bidder with the lowest evaluated bid, if not in conflict with any other law, shall be awarded the procurement contract within the original or extended bid validity period after 10 days of announcement of the evaluation report.

Section IV.

General Conditions of Contract

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General Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, or the supply order issued by the purchaser to the supplier, as the case may be, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
- (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) “GCC” means the General Conditions of Contract contained in this section.
- (f) “SCC” means the Special Conditions of Contract.
- (g) “The Purchaser” means the organization purchasing the Goods, as mentioned in Bid Data Sheet.
- (h) “The Purchaser’s country” is **Pakistan**.
- (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract and **named in Supply Order**.
- (j) “The University” means the **University of Agriculture, Faisalabad**.
- (k) “The Project Site,” where applicable, means the place or places **named in Bid Data Sheet and technical specifications**
- (l) “Day” means calendar day.

- 2. Application** 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.
- 3. Country of Origin** 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries as elaborated in the **Technical Specifications**.
- 3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 4. Standards** 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of Contract Documents and Information; Inspection and Audit by Purchaser** 5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser.
- 5.4 The Supplier shall permit the Purchaser to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Purchaser, if so required by the Purchaser.

- 6. Patent Rights** 6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.
- 7. Performance Security**
- 7.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of CDR or Bank guarantee at the discretion of the Purchaser in the amount **specified in SCC**. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately, it will be retained or deducted from the bidder's claim on bidder's choice.
- 7.2 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.
- 7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser and shall be in one of the following forms:
- (a) bank guarantee or CDR issued by a reputable bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser.
- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.
- 8. Inspections and Tests**
- 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. **SCC** and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and

production data, shall be furnished to the inspectors at no charge to the Purchaser.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

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

10. Delivery and Documents

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
- 10.2 For purposes of the Contract, "CFR," "CPT", the terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.
- 10.3 Documents to be submitted by the Supplier are **specified in SCC**.

11. Insurance

- 11.1 The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner **specified in the SCC**.
- 11.2 Where delivery of the Goods is required by the Purchaser on a CFR or CPT basis, the Purchaser shall arrange and pay for cargo insurance, naming the supplier as beneficiary.

12. Transportation

- 12.1 Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.2 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.3 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, defined as the Project Site, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 12.4 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, no restriction shall be placed on the choice of carrier. Where the Supplier is required under Contract (a) to deliver the Goods FOB or FCA, and (b) to arrange on behalf and at the expense of the Purchaser for international transportation on specified carriers or on national flag carriers of the Purchaser's country, the Supplier may arrange for such transportation on alternative carriers if the specified or national flag carriers are not available to transport the Goods within the period(s) specified in the Contract.

13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in SCC**:

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

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

14. Spare Parts

14.1 As **specified in SCC**, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in

design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless **specified otherwise in SCC.**
- 15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in notice or in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in the notice or in SCC, the Purchaser may proceed to take 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.

16. Payment

- 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be **specified in SCC.**
- 16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, **but in no case later than thirty (30) days** after submission of an invoice or claim by the Supplier.
- 16.4 The currency or currencies in which payment is made to the Supplier under this Contract shall be **specified in SCC** subject to the following general principle: payment will be made in the currency or currencies in which the payment has been requested in the Supplier's bid.
- 16.5 All payments shall be made in the currency or currencies

specified in the SCC pursuant to GCC 16.4.

- 17. Prices** 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments **authorized in SCC** or in the Purchaser's request for bid validity extension, as the case may be.
- 18. Change Orders** 18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 32, make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and/or
 - (d) the Services to be provided by the Supplier.
- 18.2 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 delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.
- 19. Contract Amendments** 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 20. Assignment** 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.
- 21. Subcontracts** 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Subcontracts must comply with the provisions of GCC Clause 3.

- 22. Delays in the Supplier's Performance**
- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). 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, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.
- 23. Liquidated Damages**
- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in SCC**. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.
- 24. Termination for Default**
- 24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure 25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 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.

26. Termination for Insolvency 26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter

to the Purchaser.

**27. Termination
for
Convenience**

27.1 The Purchaser, by written 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.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

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

**28. Settlement of
Disputes**

28.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

28.2 If 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.

28.2.1 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.

28.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.

28.3 Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise

agree; and

- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

29. Limitation of Liability

29.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6,

- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

30. Governing Language

30.1 The Contract shall be written in the language **specified in SCC**. Subject to GCC Clause 31, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

31. Applicable Law

31.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise **specified in SCC**.

32. Notices

32.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or facsimile and confirmed in writing to the other party's address **specified in SCC**.

32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

33. Taxes and Duties

33.1 A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country and purchaser's country as **specified in SCC**.

33.2 A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

Section V.

Special Conditions of Contract

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SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Performance Security (GCC Clause 7)

GCC 7.1—

A. For goods offered from within Pakistan and abroad by the local agent by Pakistan:

- i. the successful Bidder shall furnish the performance security @ 10% of the value of Supply Order or Contract in shape of CDR in favor of Director (P&IC), UAF within Seven (07) days from the issuance of acceptance letter from the Purchaser. In case the amount of bid security is equal or greater than the value of the performance security, then the bidder shall not require to furnish the performance security separately.

GCC 7.3 a): Bank Guarantee is not allowed

2. Inspection and Tests (GCC Clause 8)

GCC 8.1- In accordance with the specifications as required by following members of the committee on site inspection

- i. Dr. Muhammad Azam Khan, Incharge, Motor Pool
- ii. Mr. Ahsan Raza Sattar, Assistant Professor, Department of Computer Science
- iii. Executive Engineer, ECD-P

Pre-shipment Inspection for the Elevator: The committee may inspect the Elevator. The committee may consist of three members may inspect the Elevator before shipment.

3. Warranty (GCC Clause 15)

GCC15.2&15.4: 01 year onsite free parts and labor warranty; however in-case of imported goods, local authorized bidder shall provide warranty of the Principal.

4. Payment (GCC Clause 16)

On account payment: payment will be made after successful commissioning of the equipment/completion of the job certified by the Engineer/Inspection Committee within 30 days.

Advance Payment: advancement payment may be made for the Elevator against the equal amount of the guarantee in shape of CDR in favor of Director, Procurement & Inventory Control. The CDR will be released on production of successful commissioning certificate by the Engineer/Inspection Committee.

Partial Payment: Job wise partial payment viz Dismantling/removing of existing elevator from the Admin Block, Supply, Installation, Testing Commissioning of a Elevator in the Admin Block and Providing and Fixing of Curtin Wall may be made on successful commissioning/ certified by the Engineer/Inspection Committee within 30 days.

export but also for import to pay and duty for both export and import and to carry out all customs formalities.

5. Prices (GCC Clause 17)

appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistan Law.

- ii. The venue of arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.
- iii. Arbitration award so given will be firm and final.

(b) Indigenous (FOR) contracts

The settlement of dispute, if not otherwise especially provided for in the contract shall be referred for the decision of Vice Chancellor, University of Agriculture, Faisalabad. His decision shall be final and binding on both the parties. The work under the contract shall if reasonably possible continue, under the proceedings before the Vice Chancellor and no account of such proceeding unless they are subject of the dispute.

Note:

- The arbitration award shall be recorded in writing.
- EXW/FOB/CFR/CPT, etc., contracts made through local agents would be dealt under sub para-B (b) above.

(c) Prior Notice for arbitration:

If the supplier intends to go for arbitration, he shall have to give 30 days notice in writing informing the purchaser of his intention to refer to the points of differences or dispute of arbitration. He shall have to define clearly the point of difference and or dispute in his notice.

C. Court Jurisdiction

Only the Courts at Faisalabad shall have exclusive jurisdiction to adjudicate upon any “lis” brought by either of the parties in relation to the contract.’

9. Applicable Law (GCC Clause 31)

GCC 31.1—UAF Procurement Rules 2014 and Laws governing in Pakistan

10. Notices (GCC Clause 32)

GCC 32.1: The Supplier shall provide address for notice purposes:

11. Taxes and Duties (GCC Clause 33)

12. Stamp Act

In accordance with the Stamp Act 1899 amended from time to time, the successful bidder shall require to affix stamp duty @ 25 paisa per hundred rupees on the value of the contract.

Section VI.

Schedule of Requirements

Schedule of Requirements

- | Number | Description | Quantity | Complete Job: |
|--------|---|----------|---------------|
| 1. | Dismantling/removing of existing elevator from the Admin Block;
within 2 weeks (Complete in all respect in working condition as approved by the employer/engineer | | |
| 2. | Supply, Installation, Testing Commissioning of a Elevator in the Admin Block;
within 4 Weeks (Complete in all respect in working condition as approved by the employer/engineer | | |
| 3. | Providing and Fixing of Curtin Wall.
within 2 weeks (Complete in all respect in working condition as approved by the employer/engineer | | |

Sr. #	Name of Items	Qty.	Estimated Cost
1.	Supply, Installation, Testing and Commissioning of Elevator/Passenger Lift	1 No.	Rs.7.500 Million

Section VII.

Technical Specifications

TECHNICAL SPECIFICATIONS

The bidder shall quote the goods along with the serial number mentioned below against each and also provide soft copy in Excel Sheet without price as technical bid. The quoted goods shall have point to point commentary.

Part-A

PASSENGER LIFT/ ELEVATORS

1. SCOPE:

- 1.1 Provide all labor, materials, equipment, services and transportation required to complete the electric traction elevators work shown on the drawings and specified herein.
- 1.1.1 Passenger / Service cabs, including, cab doors to the extent indicated herein and shown in the drawings.
- 1.1.2 Guide rails and brackets, hoisting cables, and counter weights.
- 1.1.3 Hoistway doors, frames and sills to the extend indicated herein and shown on the drawings.
- 1.1.4 Pit buffers
- 1.1.5 Motors, controls and wiring to main switch in the machine room.

2. DESCRIPTION

- 2.1 The work of this section includes the Supply and Installation of one set of gearless and machine room less Passenger elevator (observation type – glass at rear side of car)

2.2.1 Characteristics:

No.of Elev	No. of Stops	Speed	Capacity	Entrance width	Use
01	04	60 m/min	825 kg	800 mm	Passenger

- 2.3 All type of elevators are to be fabricated and installed as shown on the drawings.
- 2.4 All the elevators shall be with gearless traction machine with permanent magnet motor utilizing a AC-Variable Voltage and Variable Frequency power drive system with computerized car position Control and computerized speed reference.

3. REGULATORY REQUIREMENTS

- 3.1 EN81 -1 - The European Standard
- 3.2 JIS – Japanese Industrial Standard

4. SUBMITTAL

- 4.1 Submit four sets of shop drawings and product brochure and technical data

4.2 Clearly indicate space requirements, general arrangement of elevator equipment, and material being supplied. Show connection, attachments reinforcing, anchorage and location of exposed fastenings and location and amounts of loads and reaction to be carried on the building structure.

4.3 Submit descriptive brochures or detail drawings of landing buttons hall fixtures, car position indicators and car operating panels, car interior and hoistway doors and frames for review.

4.4 Submit samples of exposed finishes for car, hoist way doors for approval

5. GUARANTEE AND MAINTENANCE:

5.1 Maintain entire elevators installation for 365 days after date of final certificate of payment.

5.2 Include systematic examination, adjustment and lubrication of elevator equipment, repair or replace worn electrical and mechanical parts of the elevator equipment using only genuine standard parts produced by manufacturer of equipment concerned. Exclude only repair or replacement due to misuse, abuse, accident, neglect caused by the persons other than installer person.

5.3 Provide 24 hour emergency call back service during maintenance period.

5.4 Ensure that competent personnel handle maintenance service. Maintain locally an adequate stock of parts for replacement or emergency purposes and have qualified personnel available such places to ensure the fulfillment of this service without unreasonable loss of time.

5.5 **Service Level Agreement**
The agreement for maintenance and service of the Elevator after expiry of the warranty.

6. DELIVERY AND STORAGE:

6.1 Deliver items or materials to site after area in which they are to be installed is ready to receive them in their place of final installation.

6.2 Store materials in storage area allotted and in such a manner as to prevent deterioration, damage or loss of their essential properties.

6.3 Fully protect moveable and operating equipment from weather.

6.4 Wrap and crate factory finished materials in manner to protect their finishes.

7. POWER CHARACTERISTICS

7.1 Elevator apparatus: 380 volt, 3 phase, 50/60 Hertz, AC

7.2 Lighting: 220 volt, 1 phase, 50/60 Hertz, AC.

7.3 Voltage fluctuation : +5% to -10%

8. MANUFACTURER:

8.1 Mitsubishi (Japan, Thailand),Otis (USA), Schindler (Switzerland), Kone [Finland](#) or equivalent from same origin.

9. MATERIALS:

Provide manufacturer standard but not less than the following.

- a. Primed steel panels: Cold rolled steel, commercial quality, stretcher leveled.
- b. Stainless steel Panel: Stainless steel hairline (180 grit)finish type 304 or 430

9.1 ELEVATOR CHARACTERISTICS

	Quantity	One (01)
--	----------	----------

	Type of service	Passenger
	Rated Load (kg)	825kg
	Rated Speed (m/min)	60 m/min
	Stops and Openings	04 in line
	Hoistway Internal Size	2030 mm (w) x 1750 mm (d)
	Machine Location	
	Buffer type Car: Counter weight	Oil type Oil type
	Guide Shoe type Car: Counter weight:	Sliding type Sliding type
	Start/stop shock	30 gal or less
	Vertical/Horizontal vibration	20gal or less
	Noise Inside cage: Landing floor: Machine room:	55dba or less 50dbA or less 80dbA or less
	Power Supply	380 volt, 3 phase, 50/60 Hertz, AC
	Lighting Supply	220 volt, 1 phase, 50/60 Hertz, AC

10. ELEVATOR EQUIPMENTS:

10.1. Traction Machine:

- 10.1.1. The traction machine shall be gearless type, motor with joint-lapped core. The iron core is split like a hinge, and coils to be wound around the core. The machine shall be class F insulation.
- 10.1.2 The motor shall be permanent magnet (PM) motor, compact design.
- 10/1.3 The brake assembly shall be an electromagnetic type, utilizing a double brake system of independent internal brakes. The brake shall be capable of stopping the machine when the car is traveling downward at rated speed and with the rated load plus 25%. Under emergency operation, the brake can be released manually to move a car into a door zone.
- 10/1.4 The traction sheave shall be of spherical graphite iron castings with 410 or 500 mm diameter and have machined V-shaped grooves

10.2 Variable Voltage, Variable Frequency Motor Drive (VVVF):

- 10.2.1. The variable voltage, variable frequency motor drive (VVVF) unit shall control the motor speed using a microprocessor. The system shall be provided with a converter which performs AC to DC Conversion and an inverter which shall designed to invert DC to three phase AC. The inverter shall give an output of sinusoidal current with zero (0) through sixty (50) hertz approximately by application of pulse width modulation technology. The inverter shall control voltage and frequency continuously and accurately in accordance with speed command signal which shall performed by microprocessor in the elevator controller.
- 10.2.2. The VVVF drive unit shall be capable of keeping the elevator service under the following condition:-

Supply line voltage fluctuation:
- 10% to +5% from the rated voltage.
Frequency variations:
±2% from the rated frequency.
- 10.2.3. The VVVF drive unit shall be provided with contractors for removing the power from the

motor of the traction machine. The contractors shall open each time the car stops. The brake of the traction machine shall be applied while contacts drop out.

- 10.2.4. Protective devices shall ensure to open the main circuit between the VVVF unit and the power supply to stop the elevator when one of the following conditions occurs:-
Phase reversal, phase failure, failure of supply voltage, overload current, over voltage, operation of any safety devices.

10.3. Drive System:

- 10.3.1 Simultaneous control of both voltage and frequency (VVVF) shall provide smooth and accurate control of a permanent magnet gearless machine. Speed feedback shall be provided from a direct driven pulse encoder connected to a digital speed controller.
- 10.3.2 Motor current signals shall be fed back and compared to a current reference signal and the drive shall generate voltage reference signals.
- 10.3.3 Voltage reference signals shall drive the gate control and thus the output voltage of the Insulated Gate Bipolar Transistor (IGBT) stack by pulse width modulation.
- 10.3.4 The current waveform shall be controlled to provide a sinusoidal waveform in order to minimize torque ripple in the motor and allow a smoother ride.
- 10.3.5 Inverter shall be substantially low-noise vector control type utilizing IGBT technology with a matched power filter for reducing high frequency noise.
- 10.3.6 A true high frequency sine-wave pulse width modulation (PWM) regulator shall be utilized for the gate control circuit.
- 10.3.7 The modulated frequency shall be 10kHz.

11. Operation System:

11.1.1 One car selective collective control

Car or hall button actuation shall cause the car to start and run automatically. The car shall stop at the first floor selected by a car or hall call set for the direction of travel. Stops shall be made in the order in which car or hall calls set for the direction of travel are reached, regardless of the order in which they were registered. If only hall calls set for the opposite direction of travel exist ahead of the car, the car shall proceed to the most distant hall call, reverse the direction of travel, and start collecting the calls in the opposite direction of travel.

11.1.5 Operational and service features: Provide the following operational and service features.

(1) Safe landing

If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor at low speed and the doors will open.

(2) Next landing

If the elevator doors do not open fully at a destination floor, the doors close and the car automatically moves to the next or nearest floor where the doors will open.

(3) Overload holding stop

A beep, as well as voice guidance, sounds to alert passengers that the car is overloaded: the doors remain open and the car does not leave that floor until enough passengers exit the car.

(4) Automatic hall call registration

If one car cannot carry all waiting passengers because it is full, another car will automatically be assigned for the remaining passengers.

(5) Car call canceling

When a car has responded to the final car call in one direction, the system regards remaining calls in the other direction as mistakes and clears them from the memory.

- (6) Car fan shut off- automatic) and Car light shut off- automatic
Car ventilation fan and lighting shut off automatically to conserve energy if there are no calls for a specified period.
- (7) Car fan shut off-block sign and Car light shut off-block sign
Car ventilation fan and lighting shut off by combining the button operations.
- (8) Independent service
Exclusive operation where a car is withdrawn from group control operation for independent use, such as maintenance or repair, and responds only to car calls.
- (9) Hand operation
The car is removed from normal operation and is available for operations such as inspection operation or independent service by using UP/DOWN buttons. The UP/DOWN buttons are installed in the car and on the car top (Optional when installed in the car).
- (10) Load weighing start
The car starts safely and smoothly even under the unbalanced load.
- (11) Stop open
When a car completely lands at a hall, the doors start opening.
- (12) Power-on re leveling
If a car stops in the door zone due to normal power failure, the car will align to secure the floor level after the power is restored.
- (13) Not start operation
When the car cannot start to respond to the calls registered in the predetermined period, a lamp is illuminated, and a bell rings on the supervisory panel.
- (14) Hall computer backup operation
Failure of a hall controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.
- (15) Car computer backup operation
Failure of a car controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.
- (16) Anti-stall timer
This feature is effective under re-leveling operation & automatic operation at low speed. After releasing the brake, when a car ran at very slow speed and the predetermined time has elapsed, the car stops for safety of passenger.
- (17) Selector correction
On detecting the displacement of the selector, the car runs to the terminal floor and this feature corrects the selector.
- (18) Automatic bypass
A fully-loaded car bypasses hall calls in order to maintain maximum operational efficiency.
- (19) Door sensor self-diagnosis
Failure of non-contact door sensors is checked automatically, and if a problem is diagnosed, the door close timing is delayed and the closing speed is reduced to maintain elevator service and ensure passenger safety.
- (20) Automatic door speed control
Door load on each floor, which can depend on the type of hall door, is monitored to adjust the door speed, thereby making the door speed consistent throughout all floors.
- (21) Reopen with hall button

Closing doors can be reopened by pressing the hall button corresponding to the traveling direction of the car.

(22) Repeated door-close

Should an obstacle prevent the doors from closing, the doors will repeatedly open and close until the obstacle is removed.

(23) Door load detector

When excessive door load has been detected while opening or closing, the doors immediately reverse.

(24) Safety ray: Multi beam

One infrared-light beam covers the full width of the doors as they open or close to detect passengers or objects. (Cannot be combined with multi-beam door sensor)

(25)Expediting door close

By pressing the door close button, the door closing operation is immediately activated, and thus the traffic efficiency is improved.

(26) Door closing torque up control

Door closing force is strengthened up than usual when the doors are difficult to close due to wind pressure etc.

(27) Double door operation

The elevator reverses the direction for running rapidly.

(28) Door nudging feature

A beep, as well as voice guidance, sounds and the doors slowly close when they have remained open for longer than the preset period.

(29) Door close limit switch on start

If the elevator runs with not fully closed doors for some reason, this function prevents the doors from being unable to open caused by hitting of vane with drive roller and the elevator from stopping between floors.

(30) Safety door edge

Sensitive door edge(s) detect passengers or objects during door closing

(31) Car arrival chime –car

Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted on the top and bottom of the car.)

(32) Intercom communication system

A system which allows communication between passengers inside a car and the building personnel.

(33) Emergency landing device

Upon power failure, a car equipped with this function automatically moves and stops at the nearest floor using a rechargeable battery, and the doors open to facilitates the safe evacuation of passengers. (Maximum allowable floor-to-floor distance is 10 meters.)

(34) Emergency car lighting

Car lighting which turns on immediately when power fails, providing a minimum level of lighting within the car.

(35) Fire emergency return

Upon activation of a key switch or a building's fire sensors, all calls are canceled, all cars immediately return to a specified evacuation floor and the doors open to facilitate the safe evacuation of passengers.

11.1.6 Car Control and signals:

A. Car Stations:

1. Provide one car station with each floor buttons and other switches and buttons, required code to accessible to elevator users and shall be flush mounted.
2. Each button shall be of micro stroke click button, which can be easily recognized by all passengers including visually impaired people.
3. The station shall have concealed interphone.
4. Provide two car control station with car size over 2.5 sq/m. Equip only one with required keyed control switches.

B. Car Position Indicator

1. Provide Digital LED dot matrix type car position Indicator
2. Directional arrows shall be incorporated in the position indicators.

C. Landing Call Buttons:

1. Landing call buttons shall be illuminated when a call is registered by pressing a button.
2. Each button shall be of micro stroke click button, which can be easily recognized by all passengers including visually impaired people

D. Hall Position Indicators

1. Provide Digital LED dot matrix type hall position Indicators at all floors
2. Directional arrows shall be incorporated in the position indicators.
3. On the manufacturer option the hall position indicator may be integrated with hall call buttons.

12. CAR ENCLOSURE:

The car enclosure consist of the ceiling, canopy, wall, door and floor.

12.1 Ceiling:

12.1.2 Illumination for all the elevators:

Illumination shall be of bright fluorescent lighting with milky white resin lighting cover intensity of the illumination 1 m above the floor at the car center shall not less than 70 lux.

12.2 Canopy :

- 12.2.1 Canopy shall be steel sheets with sufficient strength.
- 12.2.2 To facilitate inspection and maintenance, a readily accessible control station shall be provided on the canopy. A car is operated by inspection operation switch during maintenance.

12.3 Ventilation:

A blower fan shall be installed on the canopy with isolation rubber

12.4 Emergency Exit:

An emergency exit of at least 0.35 M x 0.5 M shall be provided in the canopy and shall be hinged and openable outward from the top of the car enclosure.

12.5 Car Frame and Platform:

- 12.5.1 Car frame shall be composed of channels or formed steel plates, and have sufficient strength to withstand the shock without permanent deformation even when a safety device is activated.

- 12.5.2 Effective isolation shall be provided between platform and sling to reduce transmission of noise and vibration.
- 12.5.3 Sliding guide shoes with a rail oiler shall be installed on the upper and lower beam of car sling.

12.6 Car door operator

- 12.6.1 Doors shall be operated for quiet and smooth door opening and closing. The door operation speed and door forced closing speed shall be adjustable on the door operator.
- 12.6.2 The door operator shall reopen the doors when a door open button is pressed or when excessive force is applied toward the opposite direction while the doors are closing.
- 12.6.3 Car door operator shall detect the door condition of open or close, and shall maintain the car at the floor while doors are open.
- 12.6.4 To detect the load on a door, and adjust door speed and torque, the door operator shall have a 3-phase AC slim induction/permanent motor. The motor shall contain VVVF speed control and RISC microprocessor (reduced instruction set computer).

12.7 Car walls & Door panels

Car walls & door finish shall be stainless steel hairline finish or as per owner/ Engineer approval

12.8 Car flooring

Car flooring shall have 2mm-thick abrasion resistant vinyl tiles or as per owner/Engineer approval.

13. HOISTWAY EQUIPMENTS:

13.1 Wiring:

- 13.1.1 Wiring and electrical interconnection shall comply with applicable code.
- 13.1.2. PVC insulated cable shall be used run in conduit, tubing or electrical wire ways.
- 13.1.3. Travelling cables shall be flexible and suspended to relieve strain on individual contactors.
- 13.1.4. Provide intercom in each car to communicate with machine room and security room for emergency.

13.2 Hoistway Operating Devices:

Normal terminal stopping device shall be provided to slow down and stop car automatically at terminal landings and to automatically cut-off power and apply brake.

13.3 Pit Switch:

Provide an emergency stop switch located in pit.

13.4 Governor and Safety:

- 13.4.1. A mechanical safety shall be mounted under the car platform and securely bolted to the frame. It shall be actuated by a centrifugal governor mounted overhead and connected to the safety tripping mechanism by a continuous governor cable attached to the car frame, passing over the governor sheave and a tension sheave in the pit.
- 13.4.2. The governor jaws shall grip the cable in a minimum time after the governor reaches tripping speed and shall be held in engagement with the cable by springs and the tension of the governor rope. The governor rope jaws shall be so designed that the governor rope may slide through them after the safety has set without damage to the rope.
- 13.4.3. The operation of the governor on over speed shall open a switch disconnecting the power from the elevator, and shall trip the safety mechanism. The safety mechanism when tripped shall engage the rails with out with sufficient force to stop the car from governor

tripping speed with full load in car. The pressure of the two pairs of jaws on the rails shall be equalized.

13.4.4. The mechanism shall safely bring the car to a stop from governor tripping speed, with an average rate of retardation within the limits given in the applicable codes for various loads.

13.4.5. The governor shall be accurately adjusted and sealed at the tripping speed as specified in the applicable codes.

13.5 Guide rails and rail brackets:

13.5.1 Tee (T) section guide rails compliant with ISO Standards 7465/1983 (1st edition) or equivalent shall be provided for car and counterweight based on car weight, capacity, and all other loads to be imposed.

13.5.2 Molded rail clips or sheet metal clips shall be used in mounting the guide rails to the rail brackets.

13.5.3 Rail brackets shall be designed to span the distance from the back of the rail to the building support.

13.6 Buffers:

13.6.1 Buffers for both car and counterweight shall be oil or spring type and adequately sized.

13.6.2 Buffer supports shall be provided to achieve the required height above the pit floor.

Access ladders and working platforms, if required, shall be provided by others.

13.6.3 Safety switch on oil buffers shall prevent car operation when the buffer is compressed. (Provide the safety switch according to the applied codes/regulations.)

13.7 Counterweights:

13.7.1 Counterweight shall be of steel or cast-iron plates with sub weights installed in a steel frame.

13.7.2 The frame shall be designed to remain intact against buffer engagement.

13.7.3 The sub weights for counterweight shall be securely fixed on the frame to prevent noise and vibration while the counterweight is running.

13.8 Sliding Guide shoes:

Renewal type sliding guide shoes shall be securely bolted to car and counterweights frame at top and bottom. Guides shall run on lubricated guide rails.

13.9 Hoisting rope and governor rope

13.9.1 Rope shackle rod with an adjusting screw shall be provided at the end of rope hitching part to distribute applied tension equally on each rope. In addition, shackle rod with an extendable spring shall be provided to evenly distribute the rope tension generated while a car is running.

13.9.2 The minimum safety factor of hoisting ropes shall be 12 and that of governor ropes shall be 8.

13.10 Final limit switches

Final limit switches shall be triggered by a cam mounted to the car frame, and be installed at the closest position to the terminal floors.

13.11 Traveling cable

Traveling cable shall be flat type, 300V pressure-proof PVC cable, and covered with fire and moisture-resistant coatings. Provide with 60 cores and the sectional area of 0.75mm² per each.

13.12 Compensation

Chain type shall be provided as compensation, and adequately compensate weight of hoisting ropes and traveling cables.

14. ENTRANCE MATERIALS:

14.1 Hoistway Entrances:

14.1.1 A metal entrance shall be provided at each opening served and shall include a door frame, doors, a sill and a toe guard.

14.2 Door Frame:

The door frame shall consist of a narrow jambs. Each jamb shall be fastened to each end of lintel to form unit frame. The lintel and the jambs shall be of stainless hairline finish sheet not less than 1.5 mm thick. The frame shall be returned to the hoistway side to present a neat appearance. The frame shall be securely fastened to the sill and building wall.

14.2 Door:

The door panel shall be of stainless steel hairline finish sheet not less than 1.5 mm thick and shall be reinforced on the back. The door panel shall be not less than 30 mm thick. Each door panel shall be provided with two(2) removable non-metallic door gibs at the bottom. The gibs shall run in a sill slot and be replaceable without removing the door panel.

14.3 Sill and Toe Guard:

Landing sill shall be extruded aluminum or stainless steel. The entire sill length shall exceed the running distance of door jib; from door open to close.. The toe guard shall be provided below the sill and shall be fastened to the sill.

15. INSTALLATION:

15.1 Examine work of other trades on which the work of this section depends. Report defects to Engineer in writing which may affect work of this trade or equipment operation.

15.2 Ensure that shaft and openings for moving equipment are plumb level and in line and that pit is to proper depth with necessary cylinder opening and ladder.

15.3 Ensure that machine rooms are properly illuminated, heated and ventilated and equipment beams correctly located complete with floor and access door.

15.4 Before fabrication, take necessary job site measurements and verify where work is governed by other trades. Check measurements of space for equipment and means of access for installation and operation. Obtain dimensions from site for preparation and operation.

15.5 Ensure the following preparatory work, provided under other sections has been properly completed to receive the elevator work.

15.5.1 Supply of electric feeder wires to the terminals of the elevator control panel, including fused main line switch or circuit breaker. Provision of hoist way outlets for car lights and for light in pit and outlets in machine room for light. Furnishing of electric power for testing and adjusting elevator equipment.

15.5.2 Supply of power for emergency cab lighting and ventilation from a power panel specified in the Electrical Section and fed by building emergency circuits.

15.5.3 Provision of hoistway outlet for telephone.

15.5.4 Machine room enclosed and protected from moisture, with lockable door.

15.6 Supply in ample time for installation, inserts, anchors, pipe sleeves, bearing plates, brackets, Supports and bracing including setting templates and diagrams for placement.

- 15.7 Perform work with competent mechanics skilled in this work and under the direct control and supervision of the elevator manufacturer's experienced foreman.
- 15.8 Set hoist way entrances in alignment with car openings and true with plumb sill lines.
- 15.9 Install machinery, guides, controls, car equipment and accessories in accordance with manufacturer, s instructions, and applicable codes and standards to provide a quiet smoothly operation installation free from sides way , oscillation or vibration.
- 15.10 Mount machine adjacent to hoistway on concrete pad. Isolate and dampen machine vibration with properly sized sound reducing anti- vibration pads.
- 15.11 Erect hoistway sills, headers, and frames prior to erection of rough walls and doors ; erect fascias and toe guards after rough finishes.
- 15.12 Grout sills and hoistway entrance doors.
- 15.13 Locate hall buttons and indicators as required by code and as directed by the architect. Typically indicators will be over doors and call buttons will be between pairs of elevators.

16. CLEANING:

- 16.1 Prior to final acceptance remove protection from finished surfaces and clean and polish surfaces with due regard to type of material.
- 16.2 At completion of work of this section, remove tools, equipment and surplus materials from site.

17. ADJUST AND BALANCE.

- 17.1 Make necessary adjustments of equipment to ensure elevator operates smoothly and accurately.

18. PROTECTION:

- 18.1 Locate and protect moveable equipment and controls in such a way that they can only be operated by authorized persons.

19. INSPECTION:

- 19.1 Obtain and pay for inspections and permits and makes such tests as are required by code. Make tests in presence of Engineer.
- 19.2 Final inspection shall be after elevator installation, hoisting enclosure and machine room are complete.
- 19.3 Inspect installation in accordance with local regulations
- 19.4 Deliver test certificates and permits to engineer.

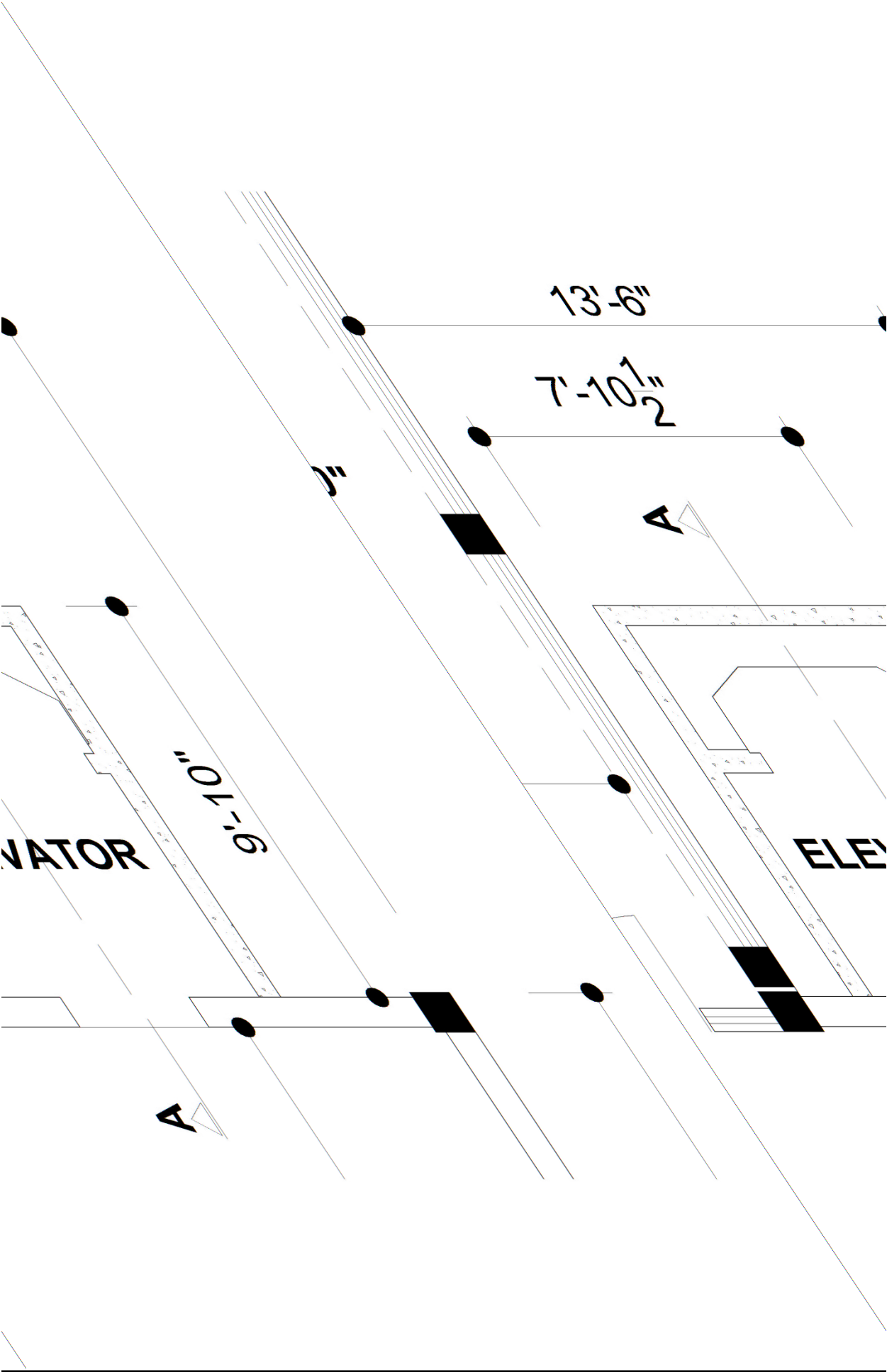
Part-B

Providing and Fixing of Curtin Wall with Aluminum frame and 5mm thick tempered Glass.

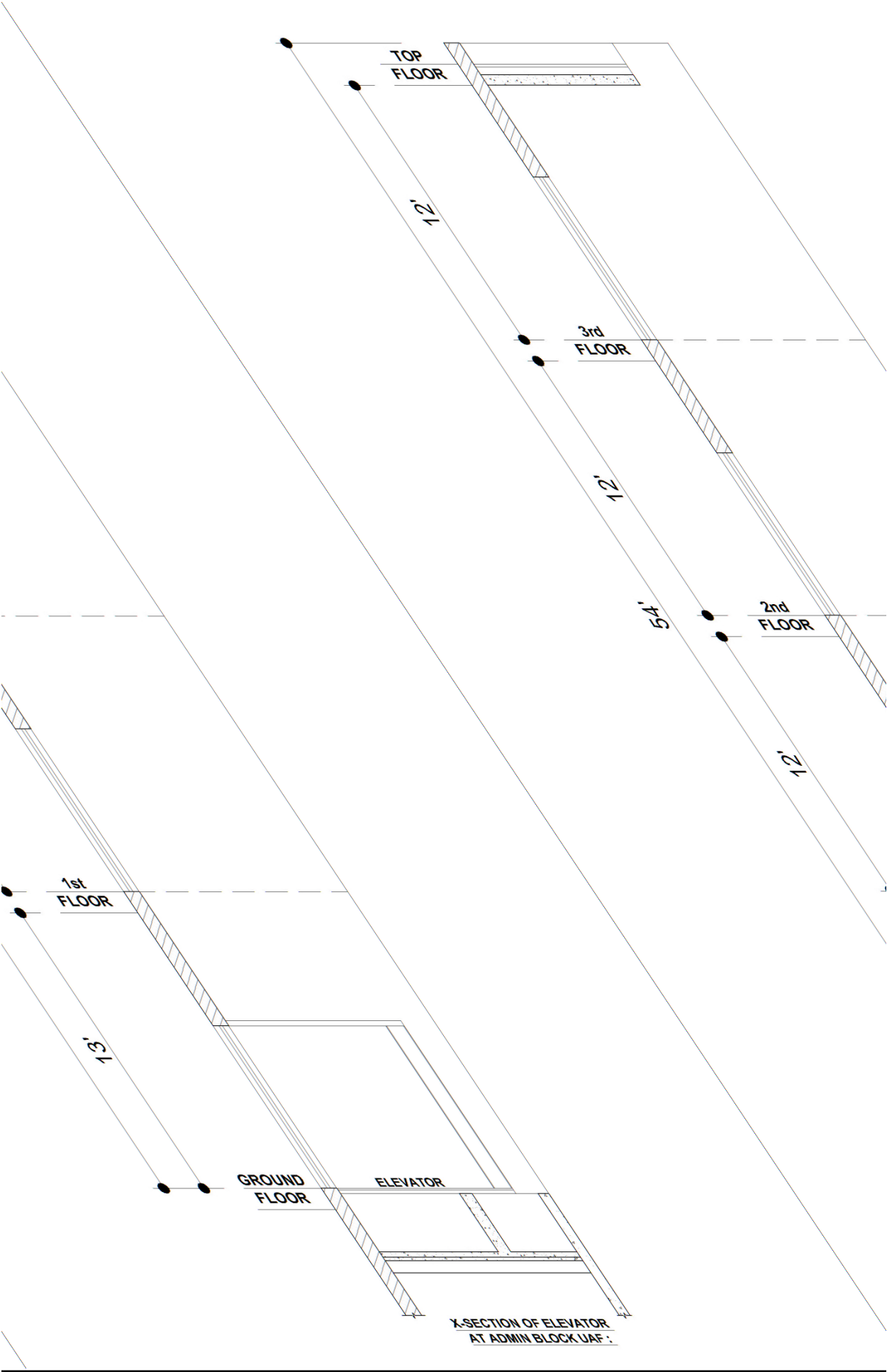
S.No	Description of Item	Quantity	Unit	Rate	Amount
	Providing and Fixing Curtin Walls of Aluminum Sections of	2250	Sft		

	Different Sizes , Main sections are of Heavy Duty / 2.00 mm Thickness made of Chawala Aluminum, Pakistan Cable, SMC or equivalent, including double glazing with 5mm tempered glass outside and inside clear glass GUARDIAN with 10-12 mm spacer filled with argon gas including, Rubber Gasket, including Heavy Duty S.S. Pipe Frame with Spider arrangements to with stand against the wind pressure, all other required hardware's of best quality including fabrication and fixing in position including cost of scaffolding etc. complete				
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Part-C
ELEVATOR PLAN



Elevator Section



Part-D**Two Stage Two Envelope Bidding Method****First stage**

- (i) the bid shall comprise a single package comprising two separate envelopes containing the financial proposal and the technical proposal;
- (ii) the envelopes shall be marked as “Financial Proposal” and “Technical Proposal”;
- (iii) in the first instance, the envelope marked “Technical Proposal” shall be opened and the envelope marked as “Financial Proposal” shall be retained unopened in the custody of the procuring agency;
- (iv) the technical proposals shall be discussed with the bidders with reference to the procuring agency’s technical requirements;
- (v) those bidders willing to meet the requirements of the procuring agency shall be allowed to revise their technical proposals following these discussions; and
- (vi) bidders not willing to conform to the technical proposal as per revised requirements of the procuring agency shall be allowed to withdraw their respective bids without forfeiture of their bid security;

Second stage

- (i) after agreement between the procuring agency and the bidders on the technical requirements, bidders who are willing to conform to the revised technical specifications and whose bids have not already been rejected shall submit a revised technical proposal and supplementary financial proposal, according to the technical requirement;
- (ii) the revised technical proposal along with the original financial proposal and supplementary financial proposal shall be opened at a date, time and venue announced in advance by the procuring agency:

Provided that in setting the date for the submission of the revised technical proposals and supplementary price proposals a procuring agency shall allow sufficient time to the bidders to incorporate the agreed changes in the technical proposal and to prepare the required supplementary financial proposal; and

- (iii) the procuring agency shall evaluate the whole proposal in accordance with the evaluation criteria and the lowest evaluated bid shall be accepted.

Section VIII.

Sample Forms

Sample Forms

1.	Bid Form and Price Schedules	70,71
2	Manufacturer’s/Distrbutor's/Dealer's Certificate Form	72

1. Bid Form and Price Schedules

Date: _____
Tender No. _____

To:

Prof. Dr. Allah Bakash,
Dean/Convener,
Faculty of Agri. Engg. & Tech.
University of Agriculture, Faisalabad

Gentlemen and/or Ladies:

Having examined the bidding documents including Tender No.127/2016, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]*in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]*or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid. We understand that failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at our risk and may result in the rejection of its bid.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the bidding documents and to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. Failure to which, the Purchaser reserve the right to take action as per provisions of the bidding documents.

We agree to abide by this Bid for the Bid Validity Period specified in Clause 16.1 of the Bid Data Sheet and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state “none”)		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

We certify/confirm that we comply with all requirements as per ITB Clause 2 of the bidding documents.

Dated this _____ day of _____ 19____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule for Goods Offered from within the Purchaser’s Country

(ITB clause 11.2 (a))

11.2 (a): FOR

Name of Bidder _____ .Tender Number _____.Page _ of ____.

1	2	3	4	5	6	7	8
Item	Description	Country of origin	Quantity	Price without GST + PST	Price With GST	Price With PST	Price with GST + PST

Signature of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

Manufacturer’s/Distributor’s/Dealer’s Certificate Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer/Distributor/Dealer]* who are established and reputable Manufacturer/Distributor/Dealer of *[name and/or description of the goods]* having factories/Warehouse/trading house at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against Tender No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer/Distributor/Dealer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.