



**AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN AND
HERITAGE SUKKUR
SINGLE STAGE TWO ENVELOPE**

NAME OF WORK :- supply, installation, testing and commissioning of elevators

NAME OF SUPPLIER :- M/S _____

TENDER FEE NO. AMOUNT WITH DATE. :-

NAME OF BANK :-

BIDDING DOCUMENT

Procurement of Goods

Important Note:

- Tender bids must be submitted electronically through EPADS, any clause in this tender document asking for manual submission must be replaced and read as “through EPADS”
- Please attach a copy of Bid Security with the financial proposal through EPADS.
- Only the Bid Security Pay Order in favor of ‘The Aror University of Art, Architecture, Design, and Heritage, Sukkur is to be sent in original on/before the last date & time for electronics bid submission through EPADS.

For any query/confusion related to this bid document, please contact in writing the following through email:

PROJECT COORDINATOR

AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN AND HERITAGE
RCW ROHRI BYPASS, SUKKUR, SINDH.
TEL: +92 71 5651900

SUPPLIER/MANUFACTURER

PROJECT COORDINATOR
AROR UNIVERSITY OF ART, ARCHITECTURE,
DESIGN AND HERITAGE
SUKKUR

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BIDDING DATA

THIS SECTION SHOULD BE FILED BY THE AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN & HERITAGE, SUKKUR, BEFORE THE ISSUANCE OF THE BIDDING DOCUMENTS

- i) Name of Procuring Agency :- **AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN AND HERITAGE SUKKUR**
- ii) Brief Description of Works :- **Supply, installation, testing and commissioning of elevators.**
- iii) NIT No: & Date :- **No: PC/AU-SKR/- 08 of 2025 Dated: 12-10-2025**
- iv) Procuring Agency Address :- **The Aror University of Art, Architecture, Design and Heritage Sindh, RCW Rohri Bypass, Sukkur, Sindh 65170**
- v) Period of Bid Validity (Days) :- **90 Days**
- vi) Security Deposit (i/c bid Security) :- **2%**
- vii) Deadline for submission of bids along with times :- **Date: - 05/11/2025 time 02:30 PM**
- viii) Venue Time & Date of Bid Opening :- **Date: - 05/11/2025 time 03:00 PM**
- ix) Time for completion from written order of commences :- **Two (02) Month**
- x) Defect Liability Period after completion of Work. :- **Six (06) Months**
- xi) Deposit Receipt No: date & amount with the Name of Bank :- **No: _____ Dated. _____ 2025
For Rs: _____/-**
- xii) CNIC No. _____
- xiii) NTN No. _____
- xiv) Tender Issued to M/S :- **M/S**
Supplier

ELIGIBILITY CRITERIA FOR SELECTION OF TECHNICAL BID

31. TENDERER'S QUALIFICATION / EVALUATION CRITERIA

- I. MANDATORY REQUIREMENTS BEFORE EVALUATION OF TENDER
- II. The firm/company should be **registered** with FBR and Sales Tax with status active
- III. Should be registered with PEC with financial category C-5 and above and special code ME-03 for Elevators
- IV. Should have verifiable minimum experience of 10 years of elevator installation and maintenance. Must provide references with contact details.
- V. Should have installed minimum of 20 elevators during past 5 years.
- VI. Should provide at least 4 performance certificates from Corporate, Government or Semi-government organizations.
- VII. Should provide bank statement of last two years which should commensurate with PEC financial category.
- VIII. Should have at least 15 permanent staff with at least one PEC qualified mechanical engineer.
- IX. Should provide undertaking that the firm has not been blacklisted by any provincial or federal government department, agency, organization of autonomous body, anywhere in Pakistan.
- X. The firm should be registered on EPADS

C. Technical Evaluation Criteria

Only those firms that pass the initial mandatory screening will proceed to the technical evaluation stage.

- Total Technical Evaluation Score: 100 Points
- Minimum Qualifying Score: 70% (i.e., 70 Points)
- Only firms scoring 70% or more in the technical evaluation will have their Financial Proposals opened for further consideration.

B. Scoring Criteria – Technical Evaluation

(Total: 100 Points | Minimum Qualifying Score: 70 Points)

S. No	Evaluation Criteria	Sub-Criteria	Total Marks	Sub-marks
1	Annual Turnover	- PKR 40–70 Million	10	5
		- PKR 70–100 Million		10
2	PEC Certification – C-4	Mandatory	5	5
3	Authorized Dealership	- 3–5 Years	10	5
		- 6–10 Years		10
4	Similar Nature of Projects in the Last 3 Years	- Up to 5 Projects	20	10
		- Above 6-10 projects.		20
5	Technical Manpower Strength	- Up to 15 Technical Staff	15	10
		- Above 16–40 Technical Staff		15
6	Warranty / Guarantee Offered	- 2 Years' Service & Repair	10	5
		- 3 Years' Service & Repair		10
7	Technical Specification Compliance (As per BOQ and required specs)	-	20	7
		- Partial compliance		14
		Full Compliance		20
8	Certifications of Offered Product/System	Partial compliance	10	5
		Full Compliance		10
Total Marks			100	

NOTES:

- Only bidders scoring **70 or above** in the technical evaluation will qualify for the financial bid opening.
- Incomplete or missing documents may lead to disqualification.
- The Procurement/evaluation committee reserves the right to verify the submitted documents and information.
- Bids will be evaluated in fair, transparent and non-discriminatory manner. For the purpose of determining the Most Advantageous bid, following above mandatory scales of evaluation shall be taken into consideration for technical and financial bids.
- Failing to fulfill ANY of the Mandatory Requirement will disqualify the bidder from the process.
- After evaluation/marketing of bidders in technical evaluation process, financial bids of technically qualified bidders only will be opened later on prior notice.

INSTRUCTIONS TO BIDDERS

1. Introduction

01. Sources of Funds

- 1.1** Funds would be arranged from the ADP schemes/recurring budget. The eligible payment under the contract is to be made from ADP Schemes/recurring budget of Aror University of Art, Architecture, Design & Heritage Sukkur. Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Sindh, and in case of a project it will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

02. Eligible Bidders

- 2.1.** This Invitation for Bids is open to all suppliers from eligible sources as defined in the SPP Rules, 2009 amended up to date and its Bidding Documents except as provided hereinafter
- 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 Procuring Agency 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.
- 2.2**

- 2.3 Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
- 2.4 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization in accordance with sub clause 34.1.

03. Eligible Goods and Services

- 3.1. All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the SPP Rules, 2009 and it's Bidding Documents, and all expenditures made under the contract will be limited to such goods and services
- 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
- 3.3. The origin of goods and services is distinct from the nationality of the Bidder.

04. Cost of Bidding

- 4.1. The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2. Bidding Documents:

05. Content of Bidding Documents

- 5.1. The bidding documents include
 - 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) Bid Security Form
- i) Contract Form
- j) Performance Security Form
- k) Manufacturer's Authorization Form

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.

06. Clarification of Bidding documentation

6.1. Interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

07. Amendment of Bidding Documents

7.1. At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.

7.2. All interested bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.

7.3. In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

3. Preparation of Bids

08. 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 Procuring agency shall be written in the language specified in the Bid Data Sheet. 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 in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.

8.2. The bid prepared by the Bidder through EPADS 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 fulfil 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.

09. Bid Form

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. Bid Prices

10.1. 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.

10.2. Prices indicated on the Price Schedule shall be delivered duty paid (DDP) prices. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately.

10.3. 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 Procuring agency and will not in any way limit the Procuring agency's right to contract on any of the terms offered.

10.4. 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 nonresponsive 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.

11. Bid Currencies

11.1. Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

- 12. Bidder's Eligibility and Qualification**
- 12.1.** Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and it is to perform the contract if its bid is accepted.
- 12.2.** The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.
- a.** The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Procuring agency's satisfaction 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 Procuring agency's 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 Procuring agency's 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.
- 13. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents**
- 13.1** 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.
- 13.2** 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
- 13.3.** 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:
- 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 Procuring agency; and
- c) an item-by-item commentary on the Procuring agency'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.
 - d) 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 Procuring agency 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 Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

14. Bid Security

- 14.1.** Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.
- 14.2.** The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.
- 14.3.** The bid security shall be in Pak. Rupees and shall be in one of the following forms:
- 14.4.** a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or irrevocable encashable on-demand Bank call-deposit.
- 14.5.** Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, pursuant to ITB Clause 24.
- 14.6.** Unsuccessful bidders' bid security 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 Procuring agency pursuant to ITB Clause 16.
- 14.7.** The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB

Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.

- 14.8.** The bid security may be forfeited:
- a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
 - b) in the case of a successful Bidder, if the Bidder fails
 - c) to sign the contract in accordance with ITB Clause 32 **or**
 - d) to furnish performance security in accordance with ITB Clause 33

15. Period of Validity of Bids

15.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.

15.2. In exceptional circumstances, the Procuring agency 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, except as provided in the bidding document.

16. Formant Signing of Bid

16.1. The Bidder shall prepare an electronic bid on EPADS.

16.2. The bid shall be submitted electronically through EPADS by the Bidder or a person or persons duly authorized to bind the Bidder to the contract.

16.3. Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

4. Submission of BID

17. Sealing and Marking of Bids

17.1. The Bidder shall submit the bid through EPADS on/before the last date and time mentioned for the bid submission.

18. Deadline Submission of Bids

18.1. Bids must be received by the Procuring agency through EPADS not later than the time and date specified.

18.2. The Procuring agency 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 Procuring agency and bidders

previously subject to the deadline will thereafter be subject to the deadline as extended

19. Late Bids

19.1. Any bid after the deadline (date & time) for submission of bids prescribed by the Procuring agency shall not be allowed.

20. Modification and Withdrawal of Bids

20.1. 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 Procuring agency prior to the deadline prescribed for submission of bids.

20.2. The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. by a signed confirmation copy, postmarked no later than the deadline for submission of bids.

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

20.4. 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.

5. Opening and Evaluation of Bid

21. Opening of Bids by the Procuring agency

21.1 The Procuring agency shall open all bids electronically through EPADS, 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.

21.2. 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 Procuring agency, at its discretion, may consider appropriate, will be announced at the opening.

21.3. The Procuring agency will prepare minutes of the bid opening.

22. Clarification of Bids

22.1 During evaluation of the bids, the Procuring agency 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.

23. Preliminary Examination

- 23.1** The Procuring agency shall 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.
- 23.2.** 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 the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 23.3.** Prior to the detailed evaluation, pursuant to ITB Clause 25 the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For the 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 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 23.5.** If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

24. Evaluation and Comparison of Bids

- 24.1.** The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive,
- 24.2.** The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.
- Alternative 24.13.** *i. Merit Point System:*
- a.* The following merit point system for weighing evaluation factors can be applied if none of the

evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

- | | | |
|---|---|-----------|
| ▪ | Evaluated price of the goods | 60 to 90 |
| ▪ | Cost of common list spare parts | 00 to 20. |
| ▪ | Technical features, and maintenance and operating costs | 00 to 20. |
| ▪ | Availability of service and spare parts | 00 to 20. |
| ▪ | Standardization | 00 to 20. |
| ▪ | Total | 100. |

The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.

25. Contacting the Procuring agency

25.1. No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.

25.1 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

6. Award of Contract

26. Post-Qualification

26.1. In the absence of prequalification, the Procuring agency 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.

26.2. 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 Procuring agency deems necessary and appropriate.

26.3. 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 Procuring agency will proceed to the

The formal Agreement between the Procuring Agency and the successful bidder shall be duly stamped at rate of 0.35% of bid price (updated from time to time) stated in Letter of Acceptance

- 32. Performance Security**
- 32.1.** Within seven (07) days, or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 32.2.** Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.
- 33. Corrupt or Fraudulent Practices**
- 33.1.** The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:
- a). **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below.
- (i) **“Coercive Practice”** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party.
- (ii) **“Collusive Practice”** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain.

- (iii) **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain.
- (iv) **“Fraudulent Practice”** means any or omission, misrepresentation, that including a knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.

b). **“Obstructive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

34. TAKING-OVER

34.1.

Completion

The Supplier/Contractor may notify the Engineer/Procuring Agency when he considers that the Works are complete.

Taking-Over Notice

Within fourteen (14) days of the receipt of the said notice of completion from the supplier/Contractor the Procuring Agency/Engineer shall either takeover the completed works and issue a Certificate of Completion to that effect or shall notify the Contractor/supplier his reasons for not taking-over the works. While issuing the Certificate of Completion as aforesaid, the Procuring Agency/Engineer may identify any outstanding items of work which the Contractor/supplier shall undertake during the Maintenance Period.

35. Extension of Time

The Supplier/Contractor shall, within such time as may be reasonable under the circumstances, notify the Procuring Agency/Engineer of any event(s) falling within the scope of

these Conditions of Contract and request the Procuring Agency/Engineer for a reasonable extension in the time for the completion of works. Subject to the aforesaid, the Procuring Agency/Engineer shall determine such reasonable extension in the time for the completion of works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Procuring Agency/Engineer within such period as may be prescribed by the Procuring Agency/Engineer for the same; and the Procuring Agency may extend the time for completion as determined.

36. Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the Contractor 's only liability to the Procuring Agency for such failure shall be to pay the amount as liquidity damages stated in the Contract Data for each day for which he fails to complete the Works.

Part-III

GENERAL CONDITIONS OF CONTRACT

01. Definition

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

- (a) **“The Contract”** means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, 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 Procuring agency 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 Procuring agency” means Aror University of Art, Architecture, Design & Heritage Sukkur.
- (h) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract.
- (i) “SPP Rules 2010” means the Sindh Public Procurement Rules 2010 (Amended to date)
- (j) “Day” means calendar day.

2. TECHNICAL PROPOSAL

2.1.

- a. Technical Proposal must include the complete solution proposed by the Vendor with filled-in specification sheets.
- b. After reviewing the Technical Proposal, promising Vendors will be selected and will be asked to give a demonstration/presentation on their solution.
- c. Based on the Technical Proposal and the presentations, Vendors will be selected in order of preference and their Technical Solution will be rated on a scale of 100. The criteria considered will be compliance with equipment specifications, capability of integration, references, after-sales support etc.

Financial Proposal of only those Vendors will be considered whose Technical Proposal qualify.

FINANCIAL PROPOSAL

2.2.

- a. Financial Proposal will include the prices quoted on individual item/Equipment basis
- b. For each category the quoted prices must include all taxes, customs and freight charges for delivery to the required locations at own risk and cost.
- c. This Equipment is required for educational institution. Aror University of Art, Architecture, Design & Heritage Sukkur, therefore, expects significant educational and volume discounts.

- d. the Bidder/Vendor shall furnish **separate earnest money** equivalent to 2% of the total value of Bid in the form of Pay Order /Bank Draft issued by a scheduled bank of Pakistan in favor of “The Aror University of Art, Architecture, Design & Heritage Sukkur,” valid for 28 days beyond the bid validity period.

- 03. STANDARDS**
- 3.1.** 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.
- 4. Patent Rights**
- 4.1** The Supplier shall indemnify the Procuring agency 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 Islamic Republic of Pakistan.
- 05. Performance Security**
- 5.1** Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 5.2.** The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier’s failure to complete its obligations under the Contract.
- 5.2.** The performance security shall be denominated in the Pak rupees and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;
- 5.3.** The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier’s performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

- 06. Inspections and Tests**
- 6.1.** The Procuring agency 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 Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 6.2.** Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency 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 Procuring agency.
- 6.3.** The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Manufacturer.
- 6.4.** Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.
- 7. Packing**
- 7.1.** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. 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.
- 8. Delivery and Documents**
- 8.1.** 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.
- 8.2.** Documents to be submitted by the Supplier are specified in SCC
- 9. Insurance**
- 9.1.** No need of Insurance for Local Supplies, However Supplier is responsible to deliver the goods in perfect condition to the end user.

- 10. Transportation** **10.1.** The Supplier is required under the Contact to transport the Goods to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.
- 11. Incidental Services** **11.1** 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 Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 12. Spare Parts** **12.1** The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
- (a) such spare parts as the Procuring agency 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:
 - (c) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
 - (1) advance notification to the Procuring agency of the pending termination, in

- sufficient time to permit the Procuring agency to procure needed requirements; and
- (2) Following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

13. Warranty

- 13.1.** The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired 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 Procuring agency'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.
- 13.2** This warranty / maintenance period shall remain valid for One (01) Year 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.
- 13.3.** If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency 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 Procuring agency may have against the Supplier under the Contract.

14. Payment

- 14.1.** The firm should submit stamp duty as per Government Rule before execution of work.
- 14.2.** The Supplier's request(s) for payment shall be made to the Procuring agency 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.
- 14.3.** Payments shall be made promptly by the Procuring agency, after submission of an invoice or claim by the Supplier.

- 14.4.** If the supply is not according to the specifications or unsatisfactory, the Contract will be rejected and cancelled at the risk and cost of Firm
- 14.5.** If the firm fails to execute the contract/supply order as per condition, action will be taken against them which may be their black-listing and Earnest Money. / Security Deposit will be forfeited.
- 14.6** In case of late delivery @ 0.1% per day will be charged on bid amount deducted from the bill, but not more than 10% of contract value.
- 14.7.** The currency of payment is Pak. Rupees.
- 14.8** Retention money to be deducted from each bill is typically **8%** of the gross bill amount. This retention money acts as a performance guarantee and is usually released after the completion of the project and the expiry of the defect liability or maintenance period, subject to satisfactory performance.

Release of Retention Money:

- 50% may be released upon successful completion of the work.
- The remaining 50% is released after the defect liability period, provided no defects or outstanding issues remain.

15. Prices

- 15.1.** 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,

16. Change Order

- 16.1.** (a) The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:
 b). drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
 (b) the method of shipment or packing.
 c). the place of delivery; and/or the Services to be provided by the Supplier.

- 16.2.** 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 Procuring agency's change order.
- 17. Contract Amendments** **17.1.** No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 18. Assignment** **18.1** The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.
- 19. Subcontracts** **19.1** The Supplier shall notify the Procuring agency 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.
- 19.2.** Subcontracts must comply with the provisions of GCC Clause 3.
- 20. Delays in the Supplier's Performance** **20.1.** Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 20.2.** 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 Procuring agency 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 Procuring agency 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
- 20.3.** 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.
- 21. Liquidated Damages** **21.1.** 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 Procuring agency 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 Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

22. Termination for Default

- 22.1** The Procuring agency, 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.
- 22.2.** 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 Procuring agency pursuant to GCC Clause 22; or
- 22.3.** if the Supplier fails to perform any other obligation(s) under the Contract.
- 22.4.** if the Supplier, in the judgment of the Procuring agency 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 Borrower of the benefits of free and open competition.

- 22.5.** In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC

Clause 24.1, the Procuring agency 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 Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

- 23. Force Majeure**
- 23.1.** 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.
- 24.1.** 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 Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 24.3.** If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such a condition and the cause thereof. Unless otherwise directed by the Procuring agency 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.
- 25. Termination for Insolvency**
- 25.1.** The Procuring agency 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 Procuring agency.
- 26. Termination for Convenience**
- 26.1.** The Procuring agency, 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

Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

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 Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency 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.

27. Resolution of Dispute	27.1.	Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.
28. Governing Language	28.1.	The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
29. Applicable Law	29.1.	The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended up to date).
30. Notices	30.1.	Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC. A notice shall be effective when delivered or on the notice's effective date, whichever is later
31. Taxes and Duties	31.1.	Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.
32. Overriding effect of Sindh Public Procurement Rules	32.1.	In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended up to date) shall have an overriding effect notwithstanding

2010 (Amended up to date)

anything to the contrary contained in these bidding documents.

PART-IV

BID DATA SHEET

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

Introduction	
ITB 1.1	Name of Procuring Agency: Aror University of Art, Architecture, Design & Heritage Sindh Tel: +92 71 5651900 – 901
ITB 1.1	Name of Project: Supply, installation, testing and commissioning of elevators.
Bid Price and Currency	
ITB 11.2 & 11.5	Prices quoted by the Bidder shall be “fixed” and in “Pak Rupees”
Preparation and Submission of BID	
ITB 13.3 (d)	Selection / Eligibility / Responsiveness criteria: <ol style="list-style-type: none">1. Income Tax Certificate (NTN)2. Registration with Sales Tax Department (GST Certificate)3. Affidavit confirming that the firm is not blacklisted by any Government, Semi Government, or Autonomous Bodies and information provided is correct on non-judicial stamp paper.4. Details of turnover (Including in terms of Rupees) of at least the last three years, the average annual turnover of the last three years equals or twice the estimated cost of the tender item.5. Three Years’ Relevant Experience6. The bidder must be manufacturer/authorized distributor/authorized dealer of the quoted products7. Company profile
ITB 15.1	Amount of bid security. 2% of Bid Price
ITB 16.1	Bid validity period. 90 Days
ITB 17.1	Number of copies. One Original
ITB 19.1	Deadline for bid submission. As notified in NIT
ITB 25.3	Bid Evaluation. The Most Advantageous evaluated responsive bid
ITB 25.4 (a) ITB 25.4 (b)	Incomplete and conditional quotations will be rejected forthwith. No cutting / overwriting in the offered prices will be accepted.

Other Terms & Conditions:	
i.	Aror University of Art, Architecture, Design & Heritage Sindh may reject all or any bid subject to relevant provision of SPP Rules and may cancel the bidding process at any time prior to acceptance of bid or proposal as per Rule 25(1) of said rules.
ii.	Incomplete, conditional and tender without required earnest money in the specified form/format shall be rejected.
iii.	Bidders are advised that before filling the bidding documents all pages of bidding documents should carefully be rechecked. If any page(s) / paper(s) of bidding documents are missing that can be downloaded from the official website of this University and SPPRA, Bid(s) with incomplete bidding documents will straightaway be rejected.
iv.	Bidders are required to provide their valid e-mail Ids and contact numbers (s) for effective and timely communication
v.	Affidavit that firm has never been blacklisted.
vi.	All Bidding documents must be signed, named & stamped by authorized person of the firm/ Companies along with authorized letter.
vii.	Incomplete, conditional or bid without required security as specified in the bidding documents, shall be rejected. Each page of bidding documents should be signed and stamped.
Viii	Contract Agreement and Integrity Pact both are mandatory for successful bidder.
Ix	Prescribed Sales Tax Invoice, payment of Stamp Duty at rate specified by Government of Sindh, Valid Professional Tax Certificate and Job Completion / Inspection Certificate duly issued by Indenting Department will be required for payment. However, withholding of all government Taxes shall apply as rates specified in relevant Government Schedule.

Signature & Stamp of Tenderer

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. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring agency is: Aror University of Art, Architecture, Design & Heritage Sindh.

GCC 1.1 (h)—The Procuring agency’s country is: Pakistan

2. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be: 2%. Performance Security shall be released on recommendations of indenting Department or after completion of six months whichever is earlier. The bid security of successful bidder may be retained as the performance security.

3. Inspections and Tests (GCC Clause 8)

Inspection of Aror University of Art, Architecture, Design & Heritage Sindh shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

4. Packing (GCC Clause 9)

GCC 9.3—The following SCC shall supplement GCC Clause 9.2:

5. Delivery and Documents (GCC Clause 10)

GCC 10.3— Supplier shall supply and install the good within 30 Days after signing the contract and shall submit the following.

- i.** Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- ii.** Packing List identifying the contents of Supply;
- iii.** Delivery note.
- iv.** Warranty and guarantee certificate

6. Warranty (GCC Clause 15)

The equipment shall bear Standard warranty (with free parts & labor) from the date of installation / acceptance. Upon expiration of warranty, Purchaser at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period in accordance with terms embodied in Appendix-A hereto

7. Payment (GCC Clause 16)

100% of the Contract Price shall be paid upon 100% delivery after issuance of Inspection Certificate from Indenting Department. Bidder is responsible for getting Inspection Certificate from Indenting Department.

8. Prices (GCC Clause 17):

9. Liquidated Damages (GCC Clause 23)

If the Supplier fails to deliver the goods or perform the services within the time 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 0.1 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

10. Resolution of Disputes (GCC Clause 28)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPPR 2010) Amended 2019.

11. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: English

12. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the law of Sindh Public Procurement law of Sindh & Islamic Republic of Pakistan which includes the following legislation:

- i. The Employment of Children (ECA) Act 1991
- ii. The Bonded Labour System (Abolition) Act of 1992
- iii. The Factories Act 1934

PART-VI

SCHEDULE OF REQUIREMENTS

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required.

S#.	Items/Quantity	Delivery time after issuance of Award of Work/contract.	Location of Supply
1.	As specified in Part – V of this bidding documents	Preferably within 30 Days	Aror University of Art, Architecture, Design and Heritage Sindh, RCW Rohri Bypass, Sukkur, Sindh

Note: specifications of the above items are attached

SAMPLE FORMS

FORM-I

LETTER OF ACCEPTANCE

Date: _____

To,

Project Coordinator

Aror University of Art, Architecture, Design & Heritage Sukkur

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the required item 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 undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to [____ Two (2) percent ____] of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 90 days from the date fixed for Bid opening under Clause 10 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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.

Dated this _____ day of _____ 2025

[_____ Signature _____]

Duly authorized to sign Bid for and on behalf of _____

PRICE SCHEDULE IN PAK. RUPEES

Date: _____

IFB N^o: _____**To,****Project Director**

Aror University of Art, Architecture, Design & Heritage Sukkur

Dear Sir, :

Having examined the bidding documents including Addenda Nos. *[insert numbers]*, 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 undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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.

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 _____

We understand that you are not bound to accept the lowest or any bid you may receive, and Services in Bank Financed Procurement

PRICE SCHEDULE IN PAK. RUPEES

Name of Bidder _____ IFB Number _____ Page of _____

Item Description Country of origin Quantity 6 7 Unit price Words Figure Total Remarks (if any)

1 Item	2 Description	3 County of Origin	4 Quantity	5 Unit Price		6 Total	7 Remarks (if Any)
				Words	Figure		

Total Bid amount in words: _____

Total Bid amount in figure: _____

Signature of Bidder _____

Note:

- i. In case of discrepancy between unit price and total, the unit price shall prevail.
- ii. The unit and total prices Delivered at Aror University Sukkur should include the price of incidental services. No separate payment shall be made for the incidental services.

EXPERIENCE OF SIMILAR SUPPLY AND INSTALLATION

S. No	Assignment Description	Name /Contact Details of Client	Cost	Start Date	End Date	Remarks

AGREEMENT OF CONTRACT

THIS AGREEMENT is made at _____ on this day, the ____ of _____ 2025.

Between:

AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN & HERITAGE SUKKUR hereinafter referred to as the "**OWNER**" which expression shall unless repugnant to the context mean and include their respective successors-in-interest and assigns) of the One Part.

and

M/S _____

Hereinafter called the "**M/S** _____." (which expression shall unless repugnant to the context mean and include its successors-in-interest and assigns) of the Other Part.

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz:

Procurement of _____ should be carried out and maintained and accepted a Tender by the Contractor for the execution, completion, and maintenance of such WORK for an amount of **Rs.** _____ (*Figures & Words*).

Now this agreement is witnessed as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract Hereinafter referred to.
2. The following documents, which for the purpose of identification have been signed on behalf of the CONTRACTOR and on behalf of the OWNER all of which shall be deemed to form and be read and construed as part of this Agreement, viz:
 - a) The Form of Tender, inclusive of the pertinent Appendices and the Instructions to Tenderer, as per SPPRA rules/bidding documents.
 - b) Conditions of CONTRACT/special conditions of CONTRACT
 - c) The Specifications.
 - d) The Bill of Quantities.
 - e) The Drawings.
 - f) Vide Work Order No.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. Based upon applications for payment submitted by the contractor and certificates of payments issued by the Department, the OWNER shall pay the contractor in current funds for the performance of the WORK, subject to additions and deductions by variation orders as provided in the CONTRACT Documents, the price of the CONTRACT amounting to **Rs.** _____ (*Figures & Words*) as prescribed CONTRACT Documents.
5. That this Agreement shall not stand discharged on account of detention/substitution of any of the existing OWNER by other(s) but shall remain binding on CONTRACTOR and CONTRACTOR shall be liable to the existing OWNER of the PROJECT and/or successors-in-interest or assigns of OWNER.

In WITNESS WHEREOF, the parties hereto have hereunto set their responsive hands and seal on the day and the year first above written.

Contractor: _____
CNIC: _____
Address: _____

Client: For and on behalf of
Aror University of Art, Architecture, Design & Heritage Sukkur

Note: Comprehensive agreement document having detailed terms and conditions will accompany this contract form.

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____

Executed on: _____

Expiry date. _____

WHEREAS [_____ Name of Supplier _____] (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. [_____ reference number of the contract _____] dated to supply [_____ description of goods and services _____] (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [_____ amount of the guarantee in words and figures _____], and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [_____ amount of guarantee _____] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____

Signature and seal of the Guarantors

[_____ name of bank or financial institution _____]

[_____ Address _____]

[_____ Date _____]

BANK GUARANTEE FOR ADVANCE PAYMENT

To:

Aror University of Art, Architecture, Design & Heritage Sukkur

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, [_____ name and address of Supplier] (hereinafter called “the Supplier”) shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of [_____ amount of guarantee in figures and words].

We, the [_____ bank or financial institution], as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding [_____ amount of guarantee in figures and words].

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until [_____ date].

Yours truly,

Signature and seal of the Guarantors
[name of bank or financial institution]

MANUFACTURER’S AUTHORIZATION FORM

To:

Aror University of Art, Architecture, Design & Heritage Sukkur

WHEREAS [_____ name of the Manufacturer _____] who are established and reputable manufacturers of [name and/or description of the goods] having factories at [_____ address of factory _____]

do hereby authorize [_____ name and address of Agent _____] to submit a bid, and subsequently sign the Contract with you against NIT 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 12 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 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.

TECHNICAL SPECIFICATIONS

ELEVATORS

PART ONE GENERAL

1.1 SCOPE OF WORK

- i) These specifications cover the complete supply, installation, testing and commissioning of elevators specified in the schedule to be used in this project as manufactured by an approved manufacturer and in accordance with the drawings and to the satisfaction of the Engineer and subject to his approval.

1.2 ELEVATOR GENERAL SPECIFICATIONS

1.2.1 GENERAL

- i) The contractor shall supply, install, test, commissioning and hand over the complete elevators installation as specified and in accordance with of EN 81-1 elevator safety code
- ii) The general requirements of the elevators and particular specifications are given in the schedules at the end of the specifications.
- iii) The Contractor shall commence the electrical installation from the circuit breakers provided at the last terminal floor for this purpose. All the works shall be co-ordinate with the other contractors prior to installation, so that there will be no areas of incompatibility.
- iv) The elevator system shall be equipped with MRL gearless traction machinery and associated traction equipment, elevator cars, solid state control systems and all other equipment and accessories required to provide a complete, modern, durable and efficient vertical transport system.
- v) All the electrical equipment shall be compatible with the available electrical system of the building, as specified under electrical section.
- vi) All the components shall be selected to provide satisfactory operation under prevailing environment condition at site.
- vii) The Contractor shall be responsible for the complete maintenance of the elevator for a period of 24 months from the date of acceptance by the Engineer of the complete elevator installation and shall include for cleaning, oiling and inspection of the elevators and all the associated equipment at periods of one month and to include for all emergency calls during normal working day through the failure of the elevator to operate normally.
- viii) A monthly inspection sheet shall be submitted to the Engineer immediately after each monthly inspection cleaning and servicing.

- ix) The contractor shall also give notice that any fault notified will receive immediate attention on the day of the notification.
- x) Welding + finishing of exposed stainless steel elements will be to the satisfaction of architect.
- xi) Manufacturer/Supplier shall provide elevators manufactured by a firm with a minimum of Twenty (20) years of experience in fabrication of elevators equivalent to those specified.
- xii) All materials and motors efficiency will be LEED compliant. Supplier will provide complete certification with Tender submission.

1.2.2 REQUIREMENTS OF INSTALLATION

- i) The elevators shall be supplied and installed by an approved manufacturer to the Engineer's approval.
- ii) The work will be carried out concurrently with the work of the building contract and the main contractor will be required to carry out certain work in connection with the specialist sub – contract.

1.2.3 BUILDERS WORK AND ATTENDANCE

- i) The main contractor is to allow for all builders work as per requirements of the elevator sub – contractor listed elsewhere in connection with the elevator installation.
- ii) The main contractor shall also provide normal attendance including all usual facilities for the execution of the specialist sub – contract.

1.2.4 AS – FITTED DRAWINGS AND SERVICES MANUALS

- i) On completion of the elevators installation and at least one week prior to the date of inspection, the contractor shall hand over to the Engineer as – fitted elevator installation drawings. Two sets of instruction manuals for general running and maintenance and repair are to be provided.

1.2.5 CAPACITY

- i) Each elevator shall have a safe carrying load inclusive of weight of complete car cable and ropes and in accordance with the attached schedule in these specifications.

1.2.6 SPEED

- i) The rated speed of the elevators shall be as specified in the schedule.

1.2.7 TRACTION MACHINE

- i) The elevator having gearless motors shall be equipped with variable voltage and variable frequency controlled gearless motors, having step less, smooth speed time characteristics
- ii) The motor shall be permanent-magnet gearless drive system to provide highest possible efficiency and environmentally-friendly. The system shall VVVF and capable to handle the rated capacity load reliability, durability and high degree of energy efficiency.
- iii) The operating electromagnetic double independent brakes shall be provided. The brake shoes being electrically held off the brake disc and mechanically applied by compression of cone springs. A manual break release shall be provided to facilitate hand movement of the elevator.

- iv) The permanent magnet synchronous motor efficiency shall be 92 - 95% and have a zero slip factor.
- v) Motor protection for the hoisting motor against overheating and burning. If the hoisting motor starts to overheat, the elevator car is driven to the nearest possible floor where the doors will be opened to let the passenger out of the car. After the motor cools down the elevator will resume normal operation.
- vi) The machine should be fixed to the rails at the upper part of the shaft, isolated by isolation pads in case of (MRL) machine room less type and on the machine room when a machine room is used.
- vii) The winding insulation levels of the motors shall be of insulation Class 'F' and the motors shall meet the requirements of EN 81-1.

1.2.8 MOTOR DRIVE

- i) The variable voltage, variable frequency motor drive {VVVF} unit will control the motor speed using a microprocessor.
- ii) The VVVF system will be provided with a converter which performs AC – to – DC conversion and an inverter which is designed to invert DC to three phase variable frequency AC. The inverter will give an output of sinusoidal current by application of pulse width modulation technology. The inverter will control voltage and frequency continuously and accurately in accordance with speed command signal, which is performed by a microprocessor in the elevator controller.
- iii) The VVVF drive unit will be capable of keeping the elevator service under the following condition;
- iv) Supply Line Voltage Fluctuation: - 10% + 5 % from the rated voltage
- v) Frequency Variation - + 2% from the rated frequency
- vi) The VVVF drive unit will be provided with contactors for removing the power from the motor of the gearless traction machine. The Contractors will open each time the car stops. The brake of the gearless machine will be applied while the contact drops out.
- vii) A pulse rotary encoder will detect the actual speed of the car. The difference between the speed command signal and the actual speed measured by the pulse rotary encoder will control the motor speed while the car is accelerating, decelerating and landing.
- viii) Protective devices will ensure to open the main circuit between the VVVF unit and the motor of the gearless machine to stop the elevator when one of the following conditions occurs:
- ix) Phase reversal; phase failure, failure of supply voltage, over current, overheating of thyristor and transistor, operation of any safety device.
- x) Elevator must synonymous with energy efficiency and sustainability. The MRL elevators must have the highest score for energy efficiency in compliance with the VDI4707 standard according to the five categories for intensity of use: AAAAA.

1.2.9 CONTROL SYSTEM

- i) The control system will consist of the VVVF motor drive unit and a computerized controller.
- ii) A computer-controlled regulator will control the car speed by comparing the actual car speed detected by a pulse – rotary encoder with an ideal speed pattern generated by a microprocessor.
- iii) While the car is accelerating the ideal accelerating pattern will be generated by the microprocessor to obtain the smooth and optimum acceleration.

- iv) While the car is decelerating the microprocessor will calculate and provide the ideal speed pattern to obtain the comfortable and stable riding performance.
- v) At landing a smooth landing pattern will be generated by microprocessor and as soon as the car has stopped the mechanical brake will be applied to hold the car.

1.2.10 OPERATION & CONTROL – SELECTIVE COLLECTIVE OPERATION

- vi) The operation will be of the full selective collective type (Simplex, Duplex Car Group) as mentioned in the schedule for each group of elevators. The operating equipment will consist of a series of micro touch button in each car number to correspond to the various landings, a single riser of “UP” and “DOWN” buttons at the intermediate landings and single button at the terminal landings, all connected electrically with the microprocessor governing floor selection and direction of travel to supply the operation described below.
- vii) One car will be normally parked with doors closed at the main floor and the other will be a “FREE” car which parks with doors closed at its last call floor.
- viii) Each car will answer its car calls of all floors respectively.
- ix) The microprocessor calculates penalty values for such things as by – passing reversal and response by distantly positioned elevators and assigns the call to the elevator that will minimize the total penalty value.
- x) Response to hall calls will be on the basis of same direction priority response, nearest long waiting time prevention, car bunching prevention etc.

1.2.11 EMERGENCY POWER OPERATION

- i) In the event of cessation of normal building power, the elevator(s) shall be equipped and continue to server operation with power from UPS (Uninterrupted Power Supply) Unit with minimum 10 - 15 minutes backup, so that there is NO interruption in operation of the elevators and to avoid any brake to an emergency stop. During this time the building generator power supply will take over until resuming of Normal Power. Following are the brand to choose from:
 - ii) ABB.
 - iii) Schneider
 - iv) Eaton.
 - v) Vertiv.

1.2.12 HOISTWAY EQUIPMENT

- i) **GUIDE RAILS.**
For smooth running of the counterweight and the elevator car, guide rails with steel tee sections shall be installed, covering the entire height of the elevator shaft. The rails shall rest on the hoist way pit to prevent exerting any physical forces on hoist way ceiling or walls of the building.
Proper expansion joint shall be provided to withstand forces created on temperature variations.
- vi) **HOISTING ROPES.**

Bright steel wire ropes with fiber cores of adequate cross – section manufacture to EN 81-1 or steel wire ropes with adequate cross – section, manufactured to EN81-1.

vii) **GOVERNOR ROPES**

These shall be manufactured similar to hoisting ropes. The two ends shall be securely linked to the car and attached to the safety gear operating level. The governor ropes shall be tensioned by a weight – loaded device located in the pit.

viii) **COUNTERWEIGHT**

Cast iron blocks enclosed in a steel framework shall be provided to balance the weight of the car and the specified capacity.

ix) **BUFFERS**

Hydraulic Oil type buffers shall be fitted in the hoist way pit beneath both car and the counterweight. These shall be securely mounted on continuous RS channels / concrete pedestals and correctly disposed relative to the car and the counterweight.

The plunger shall be of mild steel, accurately machined and designed to provide very high safety factor. A toughened rubber bumper shall be fitted to the top of the plunger to withstand the impact of the steel buffer plates mounted on the underside of the car and the counterweight. An oil gauge shall be provided to check the oil level.

x) **INSPECTION AND EMERGENCY DOORS – INSPECTION TRAPS**

Inspection and emergency doors, and inspection traps to the well, shall not be used except on grounds of safety to users or the requirements of maintenance.

Inspection doors shall have a minimum height of 1,40 m and a minimum width of 0,60 m. Emergency doors shall have a minimum height of 1,80 m and a minimum width of 0,35 m.

Inspection traps shall have a maximum height of 0,50 m and a maximum width of 0,50m. When the distance between consecutive landing doorsills exceeds 11 m, intermediate emergency doors shall be provided, such that the distance between sills is not more than 11 m. This requirement is not called for in the case of adjacent cars, each fitted with an emergency door provision.

Inspection and emergency doors and inspection traps shall not open towards the interior of the well.

The doors and traps shall be provided with a key-operated lock, capable of being reclosed and relocked without a key.

Inspection and emergency doors shall be capable of being opened from inside the well without a key even when locked.

Operation of the lift shall automatically depend on maintaining these doors and traps in the closed position. For this purpose electric safety devices should be in conformity with en81-1 and shall be employed.

An electric safety device is not required in case of access door(s) to the pit is provided. the door(s) does not give access to a hazardous zone. This is regarded to be the case if the free vertical distance between the lowest parts of car, counterweight or balancing weight including guide shoes, apron, etc. during normal operation and the bottom of the pit is at least 2 m.

The presence of travelling cables, compensating ropes/chains and their equipment, tensioning pulleys for the over speed governor and similar installations is not regarded as being hazardous.

Inspection and emergency doors and inspection traps shall be imperforate, satisfy the same requirements for mechanical strength as the landing doors, and comply with the regulations relevant to the fire protection for the building concerned.

xi) **VENTILATION OF THE WELL**

The well shall be suitably ventilated. It shall not be used to provide ventilation of rooms other than those belonging to the lift.

NOTE: In the absence of relevant regulations or standards, it is recommended that ventilation openings at the top of the well, with a minimum area of 1 % of the horizontal section of the well, are provided.

xii) **WALLS, FLOOR AND CEILING OF THE WELL**

The structure of the well shall conform to Local Regulations and be able to support at least the loads which may be applied by the machine, by the guide rails at the moment of safety gear operation, in the case of eccentric load in the car, by the action of the buffers, by those which may be applied by the anti-rebound device, by loading and unloading the car, etc.

xiii) **EXCLUSIVE USE OF THE ELEVATOR WELL**

The well shall be exclusively used for the lift. It shall not contain cables or devices, etc., other than for the lift. The well may, however, contain heating equipment for the lift well excluding steam heating and high-pressure water heating. However, any control and adjustment devices of the heating apparatus shall be located outside the well.

xiv) **LIGHTING OF THE SHAFT WELL**

The shaft well shall be provided with permanently installed electric lighting, giving an intensity of illumination of at least 50 lux, 1 m above the car roof and the pit floor, even when all doors are closed.

This lighting shall comprise one lamp at most 0, 50 m from the highest and lowest points in the well with intermediate lamps.

If use is made of the exception provided for in EN81-1, this lighting may not be necessary if the electric lighting existing in the neighborhood of the well is sufficient.

1.2.13 TRAVELLING CABLES

The travelling cables shall be 450/750V grade multi – core with stranded high conductivity copper conductors, especially designed for elevator duty and manufactured to EN 81-1. These cables shall be properly supported by retaining straps and individual cable clamps.

1.2.14 SAFETY EQUIPMENT

The gradual type – safety system, comprising of a close loop roping system, over speed centrifugal governor, safety gear equipment etc. shall be provided.

The operation of the system shall be such that if the car over speeds in the downward direction, the governor jaws shall trip, operating the safety gear. It shall, in sequence cut off the motor power supply, apply normal brakes and engage the safety gear jibs when the safety gear jibs engage with the car guides. It shall apply a constant retarding force to bring the car to a gradual and smooth stop within defined limits.

Re – setting of the safety devices shall be possible by moving the car in upward direction.

The complete system shall comply with the relevant sections of EN81-1 elevator safety code

- i) **OVER TRAVEL**
Over travel limit switches shall be provide at the top and bottom of the terminal landings of disconnect the power supply and apply brakes to bring the car to safe stop position in the event of an over travel in either direction.
- ii) **EVACUATION DEVICES**
Provision shall be made to move the car manually from the control panel installed at the last terminal floor to a nearest landing in either direction to facilitate evacuation of passengers during a power failure.
- iii) **FIREMAN EMERGENCY OPERATION**
Fire Emergency operation key switch shall be installed near the entrance of the main landing and shall operate any one of the elevators under conditions of emergency in the event of fire. This operation shall be in Full compliance to Civil Defense requirements.
When the fireman emergency call button is pressed, it shall immediately disconnect the elevator under normal automatic operation and the car shall return to the main landing. It shall not register any hall calls, so that the passenger will not wait for the elevator. The car shall then only operate on the attendant operation and it shall start registering the car calls.

1.2.15 ELEVATOR CAR

The size of the car, interior design and decorations, ceiling and lighting and other facilities shall be as called for in the schedule.

The car shall be of rigid steel framework with sound isolation designed and manufactured all in accordance with relevant sections of EN81-1.

The operating buttons and keys shall be as given in the relevant section of the specification. The following facilities shall be provided for each car, in addition to the items already specified.

- i) **VENTILATION**
Two Electric ventilation mounted on car roof with proper vents to be provided for Cargo elevator. The cars with imperforate doors shall be provided with ventilation apertures in the upper and lower parts of the car.

The effective area of ventilation apertures situated in the upper part of the car shall be at least 1 % of the available car area, and the same also applies for the apertures in the lower part of the car.

The gaps round the car doors may be taken into account in the calculation of the area of ventilation holes, up to 50 % of the required effective area.

Ventilation apertures shall be built or arranged in such a way that it is not possible to pass a straight rigid rod 10 mm in diameter through the car walls from the inside.

- ii) **ELEVATOR AIR CONDITIONER**
The Passenger elevators cabin must be equipped with a conditioner to cater for the rate capacity load. The Air Conditioner must have intelligence control, water dealing, low noise, healthy and energy -saving etc. The system should have advanced water treatment methods, with highly automated intelligent control system and automatic air-conditioning heat exchangers dust removal techniques.

The rated cooling capacity should be not less than 2600W (9000BTU) with air circulation 400 M3/H 330 M3/H. The cooling running current must not exceed above

4.5 A. The air-conditioner Voltage / Frequency should operate on 220-230V~ / 50Hz. The size of the unit should not exceed more than 620mm x 460mm x 440mm (H x W x D). The power cable for the Air Conditioner will be independent and will be supplied by the elevator manufacture company.

The Air Conditioner unit can be mounted / fixed directly to the elevator upper beam.

iii) **EMERGENCY LIGHTING**

The car shall be provided with electrical lighting that is permanently installed ensuring a light intensity of at least 50 lux at floor level and on the control devices.

If lighting is of the incandescent type, there shall be at least two lamps connected in parallel.

The car shall be continuously illuminated when the lift is in use.

In the case of automatically power operated doors the light may be switched off when the car is parked at a landing with the doors closed in accordance with EN81-1.

There shall be an automatically rechargeable emergency supply, which is capable of feeding at least a 1 W lamp for 1 h in case of an interruption of the normal lighting supply. This lighting shall come on automatically upon failure of the normal lighting supply.

If the supply referred to EN81-1 is also used to feed the emergency alarm signal called for in EN81-1, its capacity shall be rated accordingly.

iv) **EMERGENCY TRAP DOORS / EXIT**

An emergency exit shall be provided on car roof. This door shall be able to open either inside or outside. A safety electrical switch shall be provided to prevent the car traveling when this emergency exit is open.

Assistance to passengers in the car shall always come from outside, being provided in particular by the emergency operation mentioned in EN81-1.

The emergency trap door in the car roof should permit the rescue and evacuation of passengers, it shall measure at least 0,35 m x 0,50 m.

If emergency trap doors or doors are installed, they shall conform to EN81-1 to the following:

- Emergency trap doors shall be provided with a means for manual locking.
- Emergency trap doors shall be opened from outside the car without a key and from inside the car with a key suited to the triangle.
- Emergency trap doors shall not open towards the inside of the car.
- Emergency trap doors in the open position shall not project beyond the edge of the lift car.

The locking called for in EN81-1 shall be proved by means of an electric safety device in conformity with EN81-1.

This device shall cause the lift to stop if the locking ceases to be effective.

Restoring the lift to service shall only be possible after deliberate relocking.

v) **EMERGENCY RELEASE**

If there is a risk for persons working in the well being trapped and no means are provided to escape, either through the car, or through the well, alarm devices shall be installed at places where this risk exists.

The alarm devices shall fulfil the requirements of EN81-1.

vi) **EMERGENCY ALARM / INTERCOMMUNICATON SYSTEM**

Intercommunication system between the car, main landing and the machine room + SOC or Security Room.

In order to call for outside assistance, passengers shall have available in the car an easily recognizable and accessible device for this purpose.

The power for this device shall be either from the emergency lighting supply called for in EN81-1 or from an equivalent supply.

NOTE: In the case of connection to a public telephone network, as EN81-1: 14.2.3.2 does not apply.

This device shall allow a two-way voice communication allowing permanent contact with a rescue service. After initiation of the communication system no further action of the trapped person shall be necessary.

An intercom system, or similar device, powered by the emergency supply referred to in EN81-1 and shall be installed between inside the car, control panel in case of MRL and the machine room if the elevator travel exceeds 30 m.

vii) **WORKING PLATFORM**

A working platform, complying with EN81-1 shall be provided on the roof of the car.

viii) **CAR AND LANDING DOORS**

The car and landing doors shall be fully automatic, two panel, center opening automatic sliding doors. The finish of the doors shall be as specified in the schedule.

Power operated doors shall be designed to reduce to a minimum the harmful consequences of a person being struck by a door panel. To this effect the following requirements shall be met.

In the case of coupled car and landing doors, operated simultaneously the following requirements are valid for the joint door mechanism.

The effect of the device may be neutralized during the last 50 mm of travel of each leading door panel.

In the case of a system which makes the protection device inoperative after a predetermined period of time, to counteract persistent obstructions when closing the door, the kinetic energy defined in EN81-1 shall not exceed 4 J during movement of the door with the protective device inoperative.

The effort needed to prevent a folding door from opening shall not exceed 150 N. This measurement shall be made with the door collapsed such that the adjacent outer edges of the folded panels or equivalent, e.g. doorframe, are at a distance of 100 mm.

If a folding door is going into a recess the distance between any outer edge of the door fold and the recess shall be at least 15mm.

Opening the car door

In order to permit passengers to leave the lift car, if the lift stops for any reason close to a landing, it shall be possible with the car stopped and the supply to the door operator (if any) disconnected:

- a) To open or partly open the car door by hand from the landing;
- b) To open or partly open the car door together with the landing door linked to it if they are coupled, by hand from within the car.

The opening of the car door mentioned above shall be able to be carried out at least in the unlocking zone.

The force necessary to open it shall not exceed 300 N.

In the case of elevator covered the horizontal distance between the inner surface of the elevator well and the sill, door frame of the car or closing edge of car sliding doors

shall not exceed 0, 15 m. The opening of the car door from inside the car shall only be possible when the car is in the unlocking zone.

The opening of the car door with the lift in motion, the rated speed of which exceeds 1 m/s, shall require a force greater than 50 N.

This requirement is not obligatory in the unlocking zone.

ix) **DOOR OPERATOR**

The door operator shall be variable speed-controlled AC motor with VVVF control suitable for the specified duty. It shall be estimated to work 400,000 starts per year. The inverter shall include high speed switching device which in turn shall provide a smooth sine curve of output current to assure smooth, quiet and precise door control. The opening and closing speeds of the doors shall be adjustable. The landing and car doors shall operate in full synchronism advance door opening during car's approach to a landing could be used to speed up passenger transfer.

x) **SAFETY FEATURES**

Emergency unlocking key from landing side for evacuation and maintenance work.

Manual opening of the doors from inside the car, within landing zones during power failure.

Electronic light curtain shall be fixed to the sill of the car doors to reverse the doors when there is any obstruction for closing.

Electrical interlock to operate in conjunction with the car doors, so that elevators cannot operate unless doors are closed.

Overload indicator with buzzer. If the car is overloaded it shall prevent from starting. The blinking overload indicator and the sounding buzzer shall signal the overload condition to the passengers.

Emergency light with trickle charger.

xi) ACCESS CONTROL SYSTEM

The Passenger Elevators shall be equipped with IC Card Access Control Systems based on the same system as the Office and will fully integrate with the Access Control System of the building.

The IC Card Access Readers must be integrated into the elevator COPs and transfer the signal to the controller, enabling the elevator to respond to the given call.

Access Card for employees will be different and will only have accessibility to different floors. The IC Cards assigned for visitors with the receptionist must be programmable through a software device with multiple features i. e time limits and can be able to be blocked by the system.

TESTING

1. On completion, a thorough test of the elevators under the working conditions shall be carried out in the presence of and to the approval of the engineer.
 2. All materials used must be of the highest quality and best of their respective kinds and must comply with the relevant EN81-1. All weights necessary to carry out the full load and overload tests must be provided by the contractor and removed after use.
 3. The tests will include the following:
 4. No load current and voltage readings both on “UP and “DOWN” circuits.
 5. Full load current and voltage readings both on ‘UP’ and ‘DOWN’ circuits.
 6. Stalling current and voltage and time taken to operate overload.
 7. Overload protection.
 8. Gate sequence relays, if provided and installed.
 9. All interlocks.
 10. Collective control and priority sequences, if installed.
- xii) Safety gear mechanism.
- xiii) Speeds on up and down travel with loading and empty.
- xiv) Door contacts.
- xv) Final terminal stopping device.
- xvi) Normal terminal stopping device.
- xvii) Insulation and earth continuity.

a) OPERATING PANELS AND INDICATORS

CAR OPERATING PANEL

The car operating panel of each elevator shall contain the following:

Operating buttons numbered to correspond to the landing served with acknowledge light for each button.

Emergency call button.

Intercom station.

Overload indicating lamp with buzzer.

b) LANDING POSITION INDICATOR

Car position indicator shall be provided for each car, in the car and over the main landing entrance of each elevator. As the elevator travels through the hoist way, its position shall be indicated by the illumination of the numeral/letter corresponding to the landing at which the elevator is stopped or passing. Indicators shall be properly

designed for better recognition with color filters to provide good contrast. Travel direction indicators shall also be included in this indicator.

c) **PUSH BUTTONS AND INDICATORS FOR LANDING**

Up and down call buttons with indicator lights to show that the call had been registered. Hall indicators / call buttons to be provided as specified in the schedule. Fire alarm call switch at the main landing.

CAR AND LANDING SILLS

Sills manufactured as specified in the schedules shall be fitted at every landing entrance and on the car platform for the entire width of the door opening.

These sills shall be with integral grooves to act as guide for the bottom of the door panels. The car sill shall be securely fitted to the car platform and the landing sills securely fitted to the entrance threshold. These sills shall be flushed with the finished floor level.

The sills shall be designed to provide adequate strength to support the loads exerting on them, in addition to the safety and decorative entrance plate appearance.

ELECTRICAL INSTALLATION OF ELEVATORS

- xviii) General wiring throughout the installation shall be carried out as specified in the electrical specifications. GI or PVC trunking shall be used wherever possible instead of multiple conduits. GI conduits and flexible conduits shall be used between trunking and apparatus.
- xix) Earthing of all the equipment shall be carried out as specified in electrical specification and as per IEE regulations.
- xx) Distribution equipment shall contain all protection equipment for motors and circuits.
- xxi) These shall include overload protection, short – circuit protection, single phasing protection etc. as appropriate.

THE MAIN SUPPLIER SHALL PROVIDE THE REQUIREMENT OF ELEVATOR SUBCONTRACTOR SUCH AS:

1. Related builder's works, including wire mesh partition, shaft lighting and ladder in pit, rail guard/mesh/safety chain in the Overhead.
2. Hoisting beam/hooks in the roof slab of shaft well.
3. Steel separator beams in between hoist ways & where is required at approx. every 2.0 meters interval.
4. Concrete sill projection / angle support at all landings.
5. Provision of conduits with draw wire between elevator shaft and security / reception for elevator interphone supervisory panel.
6. Supply and installation of scaffolding inside the elevator shafts with working platform and removal thereof.
7. Carnage facility for unloading elevators materials from containers and shifting the same to various floors.

THE MAIN CONTRACTOR SHALL PROVIDE THE REQUIREMENT OF ELEVATOR SUBCONTRACTOR SUCH AS:

- i) Sufficient weather proof lockable storage accommodation to store the elevator materials at ground floor near elevator shaft.
- ii) Normally open free sensing contacts with wiring from fire alarm panel to elevator shaft, if automatic recalling of elevators during fire is required.

- iii) Temporary power supply for installation and testing purposes up to shaft and at last terminal floor with breakers.

MAINTENANCE AND GUARANTEE

- 1 The contractor shall be responsible for the maintenance of the elevator at his own expense for duration of two year starting from the date of issue of the completion certificate. Maintenance shall include replacement of parts or whole equipment that show manufacturing installation defects during operation or due to normal wear and tear.
- 2 The Contractor shall guarantee every piece of equipment from any manufacturing or Installation defects for a period of one year starting from the date of issue of the completion certificate.
- 3 Manufacturer certificate for Country of Origin shall be provided.
- 4 Back to Back support agreement shall be provided.

PART TWO PRODUCTS

2.1 ELEVATORS SCHEDULES

1	Type	Machine Room Less Type (MRL)
2	Quantity	1 No.
3	Operation	Simplex

A) PASSENGER ELEVATOR

S. No.	Item	Description
1	Carrying capacity	16 Person/ 1250Kg
2	Speed	1.0 m/sec.
3	Drive System	Synchronous permanent magnet Disc Brake system and Variable voltage variable frequency (VVVF) drive.
4	Motor starts per hour	240 starts per hour
5	Number of stops and openings	4 stops
6	Floor Denomination	LG,,UG, 1, 2, 3
7	Travel	12.80 Meters Approx.
8	Hoist way size	2400mm Width x 2400mm Depth

9	Car Internal dimensions	1400mm Width x 1900mm Depth x 2500mm Height
10	Pit Depth Required	1500mm
11	Overhead Height Travel	5.79 Meters
12	Location of machine	In shaft well
13	Elevator car ceiling, lighting and ventilation	Stainless steel from manufacturer's standard range. Ventilation by means of electric blower.
14	Cabin Wall	Stainless Steel and design will be selected by Consultant and client.
15	Car door	Etched finish stainless steel in pattern selected to consultant's choice from manufacturer's standard range of designs
16	Car Flooring	Granite / Marble will have to be provided in the cabin (The Consultants will select the choice as per manufacture's availability).
17	Car sill	Extruded hard aluminum
18	Indicators	Vertical on all Floor combined unit comprising of digital led dot-display hall position indicator with direction arrows and hall call buttons which will illuminate on registration of a call. Face plate will be in satin stainless steel from manufacturer's standard range.
19	Landing Doors	On All Floors in Etched finish stainless steel in pattern selected to consultant's choice from manufacturer's standard range of designs.
20	Entrance landing sills	Extruded hard aluminum
21	Door operation	AC / DC motor with electronic control
23	Type of hoist way, doors at all floors	Power operated 2 panel center automatic sliding center opening. Doors shall be 2 Hrs. Fire rated
24	Door opening size	1100 mm width x 2100 mm height
25	Control	VVVF

26	Cabin indicators	Built – in digital TFT 10” display with car position indicator, direction arrows, overload, time and date. The COP will be full height
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OPERATIONAL AND SPECIAL FEATURES FOR ALL ELEVATORS

a) **FIREMAN'S EMERGENCY OPERATION:**

When the fireman's switch is activated during the fire, all calls are cancelled and the designated car returns immediately to a specified floor to facilitate rescue afterwards, the car responds only to car calls.

b) **INTERPHONE:**

Interphone for three-way communication between the elevator cabins, machine room and security personnel at ground floor lobby near the elevator entrance.

c) **OVERLOAD HOLDING STOP:**

When the car load exceeds pre-determined capacity, the elevator will stop its operation with the doors open at the floor and a buzzer will sound. The buzzer will stop when enough passengers have exited the car to reduce the load to below the excess capacity.

d) **PRIORITY CALL IN CAR:**

When priority call is activated, all existing car calls are cancelled and the lift will not serve landing calls. The single lift cancels all landing calls. In Priority Call mode, the elevator will accept only one car call at a time and, after stopping, will keep its doors open until registration of a new car call. If more than one car call is registered, the elevator will respond to the nearest call and then cancel the other calls.

e) **CURTAIN OF LIGHTS:**

Each elevator shall be equipped with a curtain of lights fixed on the car door sill. When a passenger or an object passes through the infra-red beams, the closing doors will be opened immediately.

f) **DOOR LOAD DETECTOR:**

When an object is caught in opening / closing doors, the doors will reverse its direction when an excess load is detected. For example, when a pebble becomes lodged in the door track, rather than force itself open / closed, the reverse cycle is to be repeated until the problem is eliminated.

g) **AUTOMATIC DOOR OPEN TIME ADJUSTMENT:**

The system judges the situation whether each car stops responding to a car call or a hall call and controls the time of the doors stay open accordingly. The time spent waiting for the elevator is thereby shortened and operating efficiency is increased.

h) **DOOR NUDGING FEATURE:**

In the event of any door safety device malfunction, a temporary override function is to be automatically engaged to close the doors, thereby preventing a fault in elevator operation. Once the doors close completely, the override has to be cleared and normal operation resumes.

i) **NEXT LANDING FACILITY WITH MAIN POWER SUPPLY UNINTERRUPTED:**

If an elevator door becomes jammed for some reason (ex. A pebble) and passengers are unable to get off at the desired floor. The elevator automatically proceed to the next floor with functioning doors closed in order that the passenger do not get stranded at the affected floor.

j) **SAFE LANDING WITH MAIN POWER SUPPLY UNINTERRUPTED:**

This feature is so designed to prevent passengers from being stranded in the car when an elevator malfunctions and stops between the floors. The source of this malfunction has to be automatically searched out and when the elevator operation is determined to be safe, the car shall proceed to the nearest safe landing at reduced speed and the doors then open.

k) **CAR CALL CANCELING:**

When a car responds to the final car call in up or down direction, the system automatically checks for clears the remaining calls from memory thus keeping operating efficiency high.

l) **DOOR SENSOR SELF DIAGNOSIS:**

If a non-contact door sensor fails, the system will automatically determine the timing of the door closing to maintain the elevator service.

m) **EMERGENCY CAR LIGHTING:**

Turns on immediately when normal power fails, providing a minimum level of illumination within the car.

n) **TRAVELLING CABLE FOR SECURITY & AUTOMATION:**

Travelling cable with multi-application cables shall be available to interface Surveillance cameras, Access Control & Automation systems. Cable for television system & other digital broadcast system shall also be present. At least 2 Fiber cables shall be part of this bunch for future provisions.

o) **INFO SCREEN / IN-CAR DISPLAY (FOR ELEVATOR E1 & E2) :**

It will combine passenger entertainment, car indicator functionality, system monitoring and emergency call technology into one smart, stylish display. It will provide passengers with car direction, location and destination information, as well as date and time.

Ultra HD LCD screen should have 4K resolution and should be integrated seamlessly into cabin wall.

Wireless connectivity to Building LAN must be provided for this along with router as part of lift. The screen should be able to push images and Internet Live streaming onto itself.

p) **CCTV CAMERA:**

Installed inside car, transmits the images to a security room or other monitoring facility. Permits crime prevention or more rapid response to emergencies by allowing building personnel to monitor conditions inside the car in real time. If passengers become trapped inside a car, images inside the car assist building personnel during rescue operations.

PART THREE EXECUTION

3.1 PREPARATION

Take field dimensions and examine condition of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.2 ELEVATOR PREPARATORY WORK

- i) Preparatory work is included in this elevator contract.
- ii) To complete the elevator installation, the following work must be performed or furnished by the elevator supplier/installer, according to governing codes. These conditions include the following:
Furnish and install hoisting beam in strict accordance with the elevator manufacturer's drawings in the hoist way overhead. This means of hoisting is absolutely required for the installation of this elevator system.

Reinforce dry pit to sustain impact loads on guide rails and buffers, including either a drain or a sump with grated cover. If required, a pump shall also be provided by others to prevent any accumulation of water in the pit.

All items given below will be the responsibility of the General Contractor or by other subcontractors.

Provide block outs and/or do all cutting of walls, floors or partitions, together with all repairs made necessary by such block outs, cutting or changes as required by the elevator contractor. Provide any cutting, including cutouts to accommodate hall signal fixtures, patching, and painting of walls, floors, or partitions together with finish painting of entrance doors and frames, if required.

Necessary grouting of landing doors must be done of fastening brackets if required.

Do all painting required beyond that included in these specifications.

A properly framed and enclosed legal hoist way, including venting as required by the governing code or authority, ready for uninterrupted use by the elevator contractor at an agreed upon date.

Guard and protect the hoist way during the installation of the elevator(s) and to complete all of this work in such time as not to delay work of the elevator contractor.

TEMPORARY USE OF ELEVATORS requires available 3-phase power before cars can be placed on temporary acceptance. Should any elevator be required for use before completion, others shall provide without expense to the elevator contractor, if required, temporary car enclosure protection, requisite guards or other protection for elevator hoist way openings, and elevator operators, along with any other special labor or equipment needed to permit this temporary usage. All electrical power for installation shall be provided by the client.

The elevator contractor shall be reimbursed for any labor and/or materials not part of the permanent elevator installation and which is required to provide temporary elevator service. In addition, the temporary acceptance form of the elevator contractor shall be executed before any elevator is placed in temporary service. The cost of power and operation, equipment maintenance, and equipment rehabilitation shall be paid for by others. Also, when an elevator is used for temporary service, the completion date may be extended by the elevator contractor as a result of the temporary service. The elevator contractor shall provide notice of the extension at the time the elevator is made available for the temporary service.

Provide dry, protected storage space adjacent to the hoist way(s) at the grade level, as required.

Provide fixed vertical steel ladder to pit extending a minimum of 48 inches (1219 mm) above sill of bottom terminal entrance. Ladder runs to be a minimum of 12 inches (305 mm) wide and spaced 12" (305 mm) on center.

Client/owner shall bring 3-phase and single-phase power wires to the last terminal floor for testing and commissioning. Elevator installation cannot begin without 3-phase power. Electrician to connect 3-phase power supply to the building transformer or controller terminals with properly sized, intervening 3-phase externally operable fused motor circuit switch or circuit breaker lockable in the open position, sized to suit elevator power characteristics, for each elevator. Disconnect switches to be conveniently located near control panel and furnish, without charge, necessary current for tools, drilling equipment, hoists, as well as current for starting, testing and adjusting of machinery.

A 220V, 20 Ampere capacity dedicated branch circuit, single-phase power supply with an SPST-fused disconnect switch or circuit breaker, with feeder wiring to each controller for car lights.

Suitable light fixture (minimum 10ftc at floor level) and convenience outlets in pit with light switch adjacent to the access ladder.

Telephone instrument or means within the car for communicating or signaling to an accessible location outside the hoist way or central exchange system or approved emergency service, unless stated elsewhere in this specification.

With fused SPST disconnect switch or circuit breaker, located as required for inter-communicating power supply. Circuit shall be arranged for feeding from the building emergency lighting supply, if available. Conduit and wiring shall be provided for remotely located inter-communicating stations.

Provide the standby power unit and means for starting the unit for installations having standby power. Deliver power to the elevator via disconnect switches in the control closet, with sufficient power to operate one or more elevators at any one time at full-rated speed.

Remote conduit and wiring run for the emergency/ fire status panel (if required) and/or between hoist way banks to tie elevators in an emergency power (if required).

INSTALLATION

Install all elevator components except as specifically provided for elsewhere.

DEMONSTRATION

The elevator contractor shall make a final check of each elevator operation with the owner and / or owner's representative present prior to turning each elevator over for use on full load. The elevator contractor shall determine that control systems and operating devices are functioning properly.

SPECIAL CONDITIONS OF CONTRACT (Blank spaces to be filled in by the Tenderer)

Subject

Provision

Amount of Performance Bond	10% of contract value, valid until end of maintenance period/ defect liability period.
Earnest Money	2% of the tender price in the shape of Demand Draft/ / Deposit-at-call Receipt drawn on any schedule bank in favor of the Client
Approved scheduled Insurance Company having AAA rating For issuance of Performance Bond	All Scheduled Bank of Pakistan currently having 'A' rating.
Date Award of Work	The date of receipt by the contractor of the work order from employer.
Proposed Time of Completion	On or before the expiry of a period of six months from the date of award of work
Mode of Payment:	The payments will be made to the contractor strictly as per rates quoted by him against each item in the BOQ. Any further obligations specified in various sections of the tender, which may cause expenditures to be incurred, shall be considered included in the BOQ item rates. No further payment will be made for the fulfillment of necessary obligation separately. Running payments in respect of the cost of equipment and material shall be made to the contractor according to the progress of the work, on the certificate of the employer, in terms of the evaluation based on the item rates of BOQ/ Tender. Retention money and other amount shall be deducted from the gross amount of each bill according to the terms of the contract. First payment to contractor shall not exceed 50% of the approved BOQ amount of item No. 1.1 to 1.6. & 2.1 to 2.6 and will be secured by an irrevocable insurance guarantee of same amount from scheduled Insurance Company duly approved. This payment shall be made

after signing of contract agreement, approval of technical specifications and completion of all formalities.

2nd payment equivalent to 30% of approved BOQ amount of item No. 1.1 to 1.6 & 2.1 to 2.6 only will be paid after shipment and on submission of shipping documents, against irrevocable

Insurance Guarantee from a schedule Company.

3rd payment equivalent to 20% of approved BOQ amount will be made after receiving elevators (BOQ item No. 1.1 to 1.6 & 2.1 to 2.6) at site and after preliminary inspection and verification of lifts by the employer.

The balance amount will be released after installation, satisfactory testing commissioning and successful operations of lift at site.

All above payments will be made after deduction of income tax and retention money as per tender terms and conditions and special stipulations. Both the guarantee shall be released by the delivery of equipment at site and issuance of certificate from Consultant.

The Contractor shall submit the bills to the employer at least 21 days in advance for all the payments.

Amount of Liquidated Damages for late completion, for each calendar day thereof, after the completion dates

0.1% per day up to max. of 10% of the Final Contract Price

Percentage of Retention.

Shall be deducted @ 10% of the value of all running Bill. **50%** retention money shall be released at substantial completion and remaining will be paid after the laps of maintenance period.

Approved countries of origin / Brand

1. Kone China
2. Otis China
3. SJEC China
4. FUJI Elevator HUZHOU / equivalent

Period of Maintenance

2 Year

CONTRACTOR's address for
service of notices.

OWNER's address for service

Aror university Sukkur

ARCHITECT's address for
service of notices.

Habib Fida Ali,
Chartered Architect
4, Choudhry Khaliquzzaman,
Road, Karachi-75530.

CONTRACTOR'S rates to be inclusive of all materials required for the work unless
specified
otherwise in any clause of this document.

BILL OF QUANTITY

PART-VIII

**AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN & HERITAGE SUKKUR
TECHNICAL SPECIFICATIONS AND QUANTITIES
SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF
ELEVATORS**

General Abstract

S.NO	Description	Total Amount (Rs.)
01.	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF ELEVATORS	
	Grand Total	

Amount in Rupees: _____

_____.

NOTE:

- The above quantity could be reviewed as per requirement.
- Supplying, laying, Installing, & Delivery should be made in the premises of the University; no carriage paid separately.
- Quoted Amount should be inclusive of all applicable taxes.
- Bidder must quote all the items in BOQ.

SUPPLIER/MANUFACTURER

**AROR UNIVERSITY OF ART,
ARCHITECTURE, DESIGN &
HERITAGE, SUKKUR**

AROR UNIVERSITY OF ART, ARCHITECTURE, DESIGN & HERITAGE SUKKUR

TECHNICAL SPECIFICATIONS AND QUANTITIES

BILLING OF QUANTITIES (BOQ)

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF ELEVATORS

S.No	Description	Qty	Unit	Rate	Amount
	Elevator As per specification				
1	Supply, Installation, Testing & Commissioning of MRL Passenger Elevators including complete elevator items like cars, guide rails, hoisting ropes, control panel, speed governor, safety devices, doors etc. complete in all respect as stipulated in specifications and Lift stopover schedule and required to complete the system Including I C Access Control with 200 cards , i.e. 50 cards for each floor	1	Job		
2	Supply and installation of elevator air conditioner capacity 2 Tons on elevator cabin. The rated cooling capacity should be not less than 2600W (9000BTU) with air circulation 400 M3/H 330 M3/H.	1	No.s		
3	Supply and installation of complete Electrical work including the electrical cabling etc. to make the elevator fully functional	1	Job		
4	Providing and Installation of M. S. Scaffolding in shaft well.	1	Job		
5	Supply of Spare Parts as per Manufacturer's recommendation for 3 years for elevators.	1	Set		
6	Maintenance and operation period for Two year with 02 Nos. qualified operator/ person having three years' experience of operation and maintenance of elevators should be engaged at site.	1	Job		
7	Supply, Installation, testing & commissioning of UPS 15 kVA, 3N400/230~PE V including its electrical DB & wiring as per requirement	1	No.s		
8	Civil work job including any cutting , repairing job required for elevator fixing as per site	1	Job		
9	Supply , installation , testing of 1.5 ton Split mounted AC Kenwood E Smart / Gree Airy / equivalent	1	Job		
10	Supply of overall tool set required for lift operation	1	Set		

Total

NOTE:

- The above quantity could be reviewed as per requirement.
- Delivery should be made in the premises of the university; no carriage will be paid separately.
- Quoted Amount should be inclusive of all applicable taxes.
- Bidder must quote all the items in BOQ.

Project Coordinator

Supplier/Manufacturer

INTEGRITY PACT

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract No. _____ Dated _____

Contract Value: _____

Contract Title _____

[_____
Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [_____
name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[_____
Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[_____
Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [_____
Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [_____
Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

[_____
Procuring Agency]

[_____
Supplier /Contractor/Consultant]