ISSUED ON: _____

ISSUED TO: _____



TENDER DOCUMENT

FOR

Supply, Providing, Installing Testing & Commissioning of Sound System & Allied Services

TENDER NO. NO. PC/AU-SKR/- 10 of 2024

Bids will be evaluated as per the evaluation criteria mentioned below.

S. No	Qualification Criteria	Total Marks	Marks Obtained
01	Active Income Taxpayer in FBR	10	
02	Active Taxpayer in SRB	5	
03	Projects Of Similar Nature & Completed Each Project 05 marks, Max.20 marks	20	
04	Projects Of Similar Nature & In Hand (End-user Feedback Certificate required) Each Project 05 marks, Max.15 marks	15	
05	Personal capabilities/ Staff Organization Chart showing Name, CNIC & Cell Numbers of the Employees.	5	
06	Financial Soundness of Firm / Company; annual turnover more than 50M, Income tax returns supported with copies of CPR & Audited reports for last 3 years. 05 marks for each year	15	
07	Meets Specification	10	
08	Must be authorized dealership/partnership	10	
09	Undertaking of not Blacklisted on PKR 100 Stamp Paper	10	
	Total Marks	100	

EVALUATION CRITERIA

Technical Evaluation Criteria

Note: Please attach documentary evidence in support of your claims in technical proposal. Minimum score to technically qualify is 70 out of 100.

Public Procurement Regulatory Authority

Bidding Documents

For

National Competitive

Bidding Pakistan

Procurement of Goods

PART ONE (FIXED)

- Instructions to Bidders (ITB)
- General Conditions of Contract (GCC)

Instructions to Bidders

A. Introduction

- 1. Source of 1.1 The Procuring agency has received federal government HEC funds from the source(s) indicated in the bidding data in various Funds currencies towards the cost of the project /schemes specified in the bidding data and it is intended that part of the proceeds of this loan/grant/funds/ will be applied to eligible payments under the contract for which these bidding documents are issued. Payment by the Fund will be made only at the request of the 12 Procuring agency and upon approval by the Government of Sindh., and in case of a project 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 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. 2. Eligible 2.1 This Invitation for Bids is open to all suppliers from eligible sources as defined in the Public Procurement Rules, 2004 and its **Bidders** Bidding Documents except as provided hereinafter. 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates that 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.2.3 Government-owned enterprises in the Province of Sindh may
 - 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

- 3. 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 Public Procurement Rules, 2004 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.
- 4. 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.

B. The 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

5. Content of Bidding Documents Rejection of its bid.

- A interested Bidder requiring any clarification of the bidding **6.** Clarification of 6.1 documents may notify the Procuring agency in writing. The **Bidding Documents** 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 who have received the bidding documents.
- At any time before the deadline for submission of bids, the 7. Amendment of 7.1 Bidding Procuring agency, for any reason, whether at its initiative or in response to a clarification requested by an interested Bidder, may **Documents** 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 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.

C. Preparation of Bids

- The bid prepared by the Bidder, as well as all correspondence 8. Language of 8.1 Bid 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.
- 9. Documents 9.1 The bid prepared by the Bidder shall comprise the following Comprising components: the Bid
 - a Bid Form and a Price Schedule completed under ITB (a) Clauses 10, 11, and 12;
 - documentary evidence established in accordance with ITB (b)

			Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
		(c)	documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
		(d)	Bid security furnished in accordance with ITB Clause 15.
10. Bid Form	10.1	Price the	Bidder shall complete the Bid Form and the appropriate e Schedule furnished in the bidding documents, indicating goods to be supplied, a brief description of the goods, their atry of origin, quantity, and prices.
11. Bid Prices	11.1	Unit	Bidder shall indicate on the appropriate Price Schedule the prices (where applicable) and total bid price of the goods oposes to supply under the contract.
	11.2	paid	es indicated on the Price Schedule shall be delivered duty (DDP) prices. The price of other (incidental) services, if listed in the Bid Data Sheet will be entered separately.
	11.3	abov Proc	Bidder's separation of price components by ITB Clause 11.2 we will be solely to facilitate the comparison of bids by the puring agency and will not in any way limit the Procuring acy's right to contract on any of the terms offered.
	11.5	perfe acco subr nonr how shall cont	es quoted by the Bidder shall be fixed during the Bidder's prmance of the contract and not subject to variation on any punt unless otherwise specified in the Bid Data Sheet. A bid nitted with an adjustable price quotation will be treated as responsive and will be rejected, under ITB Clause 24. If, ever, under the Bid Data Sheet, prices quoted by the Bidder l be subject to adjustment during the performance of the ract, a bid submitted with a fixed price quotation will not be etted, but the price adjustment would be treated as zero.
Bid Currencies	5		Prices shall be quoted in Pak Rupees unless otherwise ified in the Bid Data Sheet.
12. Documents Establishing Bidder's	12.1	docu	er ITB Clause 9, the Bidder shall furnish, as part of its bid, uments establishing the Bidder's eligibility to bid and its ifications to perform the contract if its bid is accepted.

Eligibility and

- Qualification 13.2 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.
 - 133 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 (a) 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;
 - that the Bidder has the financial, technical, and production (b) capability necessary to perform the contract;
 - that, in the case of a Bidder not doing business within the (c) 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
 - That the Bidder meets the qualification criteria listed in the (d) Bid Data Sheet.
- 13.1 Under ITB Clause 9, the Bidder shall furnish, as part of its bid, **13. Documents** documents establishing the eligibility and conformity to the bidding documents of all goods and services that 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 detailed description of the essential technical and (a)

Establishing Goods' **Eligibility and Conformity to Bidding Documents**

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 the 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.
- 13.4 For purposes of the commentary to be furnished under 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 catalog 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 catalog 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** 15.1 Under ITB Clause 9, the Bidder shall furnish, as part of its Bid, bid security in the amount specified in the Bid Data Sheet.
 - 15.2 The bid security is required to protect the Procuring agency against the risk of the Bidder's conduct which would warrant the security's forfeiture, under ITB Clause 15.7.
 - 15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:
 - (a) 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
 - (b) Irrevocable encashable on-demand Bank call deposit.
 - 15.4 Any bid not secured by ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, under ITB Clause 24.

- 15.5 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.
- 15.6 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.
- 15.7 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:
 - (i) to sign the contract in accordance with ITB Clause 32;
 - or
 - (ii) to furnish performance security in accordance with ITB Clause 33.
- 16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, under ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.
 - 162 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.
- 17. Format and Signing of Bid17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.
 - 17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a

16. Period of Validity of Bids person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

- 17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

- The Bidder shall seal the original and each copy of the bid in 18. Sealing and 18.1 separate envelopes, duly marking the envelopes as "ORIGINAL" Marking of and "COPY." The envelopes shall then be sealed in an outer Bids envelope.
 - 18.2 The inner and outer envelopes shall:
 - (a) be addressed to the Procuring agency at the address given in the Bid Data Sheet: and
 - bear the Project name indicated in the Bid Data Sheet, the (b) Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: "DO NOT OPEN BEFORE," to be completed with the time and the date specified in the Bid Data Sheet, under ITB Clause 2.2.
 - 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late".
 - 18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Procuring agency will assume no responsibility for the bid's misplacement or premature opening.
- **19. Deadline for** 19.1 Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date Submission of specified in the Bid Data Sheet.
 - 19.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents per ITB Clause 7, in which case all rights and

Bids

Obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

- **20. Late Bids** 20.1 Any bid received by the Procuring agency after the deadline for Submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.
- 21. Modification 21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, and Withdrawal of including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for Bids submission of bids.
 - 21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. By a signed confirmation copy, postmarked no later than the deadline for submission of bids.
 - 21.3 No bid may be modified after the deadline for submission of bids.
 - 21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, under the ITB Clause 15.7.

E. Opening and Evaluation of Bids

- 22.1 The Procuring agency will open all bids in the presence of 22. Opening of bidders' representatives who choose to attend, at the time, on the Bids by the Procuring date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register agency evidencing their attendance.
 - 22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected a bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

- 223 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.
- 224 The Procuring agency will prepare minutes of the bid opening.
- 23. Clarification of 23.1 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.
- 24. PreliminaryExamination24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
 - 24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If 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.
 - 24.3 The Procuring agency may waive any minor informality, nonconformity, or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
 - 24.4 Before the detailed evaluation, under ITB Clause 25 the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid 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.

- 24.5 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.
- 25. Evaluation and Comparison of Bids25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.
 - 25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
 - 25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted by ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:
 - (a) incidental costs
 - (b) delivery schedule offered in the bid;
 - (c) deviations in payment schedule from that specified in the Special Conditions of Contract;
 - (d) the cost of components, mandatory spare parts, and service;
 - (e) the availability of a Procuring agency of spare parts and after-sales services for the equipment offered in the bid;
 - (f) the projected operating and maintenance costs during the life of the equipment;
 - (g) the performance and productivity of the equipment offered; and/or
 - (h) Other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.
 - 25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:
 - (a) Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at

the final destination.

- (b) Delivery schedule.
 - (i) The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.
 - or
 - (ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.
 - or
 - (iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.
- (c) Deviation in payment schedule.
 - (i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder.

or

(ii) The SCC stipulates the payment schedule offered by

the Procuring agency. If a bid deviates from the schedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.

- (d) Cost of spare parts.
 - (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.
 - or
 - (ii) The Procuring agency will draw up a list of highusage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.
 - or
 - (iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on the past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.
- (e) Spare parts and after-sales service facilities in the Procuring agency's country.

The cost to the Procuring agency of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price. (f) Operating and maintenance costs.

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

- (g) Performance and productivity of the equipment.
 - (i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or the Technical Specifications.

or

- Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.
- (h) Specific additional criteria are indicated in the Bid Data Sheet and/or in the Technical Specifications.

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

Alternative 25.4 Merit Point System:

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	0 to 20
Technical features, and maintenance and operating cos	sts 0 to 20
Availability of service and spare parts	0 to 20
Standardization	0 to 20
Total	100

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

- 26. Contacting the Procuring agency26.1 Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.
 - 26.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract

- 27. Postqualification27.1 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, in accordance with the criteria listed in ITB Clause 13.3.
 - 27.2 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.
 - 27.3 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 next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
- 28. Award Criteria28.1 Subject to ITB Clause 30, the Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is

Determined to be qualified to perform the contract satisfactorily.

- 29. Procuring agency's Right to Vary Quantities at Time of Award
 29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.
- 30. Procuring agency's Right to accept any Bid and to Reject any or All Bids
 30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.
- 31. Notification of Award31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.
 - 31.2 The notification of award will constitute the formation of the Contract.
 - 31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.
- 32. Signing of Contract32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
 - 32.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 33 Performance Security
 33.1 Within twenty (20) days 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.
 - 332 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.

34. Corrupt or Fraudulent Practices
34.1 The Government of Sindh requires that Procuring agencies (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 PPRA, in accordance with the PP Act, 2004 and Rules made thereunder:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

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

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Procuring agency of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.

General Conditions of Contract

1. Definitions	1.1		is Contract, the following terms shall be interpreted as cated:
		(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 the organization purchasing the Goods, as named in SCC.
		(h)	"The Procuring agency's country" is the country named in SCC.
		(i)	"The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
		Ì	"The Project Site," where applicable, means the place or places named in SCC.
		(k)	"Day" means calendar day.

2. Application 2.1 These General Conditions shall apply to the extent that they are

Not superseded by provisions of other parts of the Contract.

- 3. Country of Origin
 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and `further elaborated in the SCC.
 - 32 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 33 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 34 **<u>STANDARDS</u>** 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of The Supplier shall not, without the Procuring agency's prior 5.1 written consent, disclose the Contract, or any provision thereof, Contract or any specification, plan, drawing, pattern, sample, or **Documents** information furnished by or on behalf of the Procuring agency in and Information; connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. **Inspection and** Disclosure to any such employed person shall be made in Audit by the confidence and shall extend only as far as may be necessary for Government purposes of such performance.
 - 52 The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
 - 53 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contract if so required by the Procuring agency.

- 5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.
- 6. Patent Rights6.1 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 Procuring agency's country.
- 7. Performance 7.1 Within twenty (20) days 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.
 - 7.2 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.
 - 7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:
 - (a) 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; or
 - (b) A cashier's or certified check.
 - 7.4 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.
- 8. Inspections and Tests
 8.1 The Procuring agency or its representative shall have the right to inspect and/or test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, on time, of the identity of any representatives retained for these purposes.
 - 82 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery, and/or at

The Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

- 83 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.
- 84 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 85 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.
- **9. Packing** 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
 - 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.
- 10. Delivery and Documents
 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
 - 10.2 Documents to be submitted by the Supplier are specified in SCC.

- **11. Insurance** 11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is seller's responsibility.
- 12. Transport12.1 The Supplier is required under the Contact to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 13. Incidental Services13.1 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.
 - 132 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.
- **14. Spare Parts** 14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the 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:
 - advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
 - (ii) Following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.
- 15. Warranty 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the 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.
 - 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
 - 15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
 - 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
 - 15.5 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.

- **16. Payment** 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.
 - 16.2 The Supplier's request(s) for payment shall be made to the 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.
 - 16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
 - 16.4 The currency of payment is Pak. Rupees.
- 17. Prices 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.
- **18. Change Orders** 18.1 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:
 - (a) 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
 - (d) the Services to be provided by the Supplier.
 - 18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be

Made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

- 19. Contract
Amendments19.1 Subject to GCC Clause 18, no variation in or modification of the
terms of the Contract shall be made except by written
amendment signed by the parties.
- **20. Assignment** 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.
- **21. Subcontracts** 21.1 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.
 - 21.2 Subcontracts must comply with the provisions of GCC Clause 3.
- 22. Delays in the Supplier's Performance22.1 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.
 - 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the 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.
 - 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.
- **23. Liquidated** 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or

all of the Goods or to perform the Services within the period(s)
specified in the Contract, the 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.

24. Termination for Default24.1 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:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
- (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) if the Supplier, in the judgment of the 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.

24.2 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.

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

- 25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and is 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.
- 25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such 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.
- 26. Termination for Insolvency26.1 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.
- 27. Termination for 27.1 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.
 - 272 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.
- 28. Resolution of Disputes28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
 - 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner, and/or arbitration.
- 29. Governing Language29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
- 30. Applicable 30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.
- **31. Notices** 31.1 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.
 - 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 32. Taxes and Duties32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

Public Procurement Regulatory Authority

Bidding Documents

For

National Competitive Bidding

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications
- Sample Form
- Eligibility

Invitation for Bids

Date: [date of issuance of IFB]

IFB Nº:

The Aror University of Art, Architecture, Design & Heritage Sindh has received an allocation from the Public Fund in Pak rupees / Foreign Currency towards the cost of Supply, Providing, Installing Testing & Commissioning of Sound System & Allied Services It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for Supply, Providing, Installing Testing & Commissioning of Sound System & Allied Services The Aror University of Art, Architecture, Design & Heritage Sindh now invites sealed bids from eligible bidders for Supply, Providing, Installing Testing & Commissioning of Sound System & Allied Services Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of the Project Coordinator, Aror University of Art, Architecture, Design & Heritage Sindh. Phone: 071-5651900

I. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application to the above and upon payment of a non-refundable fee of *Rs.5000*.

2. The provisions in the Instructions to Bidders and the General Conditions of Contract are the provisions of the Public Procurement Ordinance and its Rules made thereunder which also conform to the requirements of the World Bank *Standard Bidding Documents: Procurement of Goods for National Competitive Bidding, Pakistan*, and Part One.

3. Bids must be delivered to the above office on or before $02:00 \text{ pm on } 07^{TH}$ June 2024 and must be accompanied by a security of 2%.

4. Bids will be opened in the presence of bidders' representatives who choose to attend at $02:30 \text{ pm on } 07^{TH}$ June 2024 at the offices of the Conference Room at Aror University of Art, Architecture, Design & Heritage Sindh.

5. The bidders are requested to give their best and final prices as no negotiations are expected.

Bid Data Sheet

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

	Introduction
ITB 1.1	Name of Procuring Agenc. The Aror University of Art, Architecture, Design & Heritage Sindh
ITB 1.1	Name of Project: Supply, Providing, Installing Testing & Commissioning of Sound System & Allied Services
ITB 6.1	Address: The Aror University of Art, Architecture, Design and Heritage Sindh, RCW Rohri Bypass, Sukkur, Sindh Phone: 071-5651900
ITB 8.1	Language of the bid. English

	Bid Price and Currency
ITB 11.2	The price quoted shall be in Pakistani Rupee.
ITB 11.5	The price shall be fixed,

	Preparation and Submission of Bids
ITB 13.3 (d)	Minimum Qualification requirements.
	 Original Tender Purchase Receipt / Pay Order of Tender Fee NTN Sales Tax Minimum three years' experience relevant field Turnover of at least last three years (Annual >50M)
ITB 14.3 (b)	Spare parts required for <u>NA [number]</u> of years of operation.
ITB 15.1	Amount of bid security.
	2% of Bid Price
	Bid security may be held if you win the bid/awarded the contract. This can be used as, counted or deducted from total performance security.
ITB 16.1	Bid validity period.
	90 Days
ITB 17.1	A number of copies. 1 Original
ITB 18.2 (a)	Address for bid submission. Project Coordinator, Aror University of Art, Architecture, Design & Heritage Sindh
ITB 18.2 (b)	IFB title and number.
	Supply, Providing, Installing Testing &
	Commissioning of Sound System & Allied
	Services
ITB 19.1	Deadline for bid submission. 02:00 pm on 07 th June 2024.
ITB 22.1	Bids received after the due date and time will not be entertained.Time, date, and place for bid opening.
	02:30 pm on 07 th June 2024 Conference Room at Aror University of Art, Architecture, Design & Heritage Sindh.

	Bid Evaluation
ITB 25.3	Criteria for bid evaluation. Aror University of Art, Architecture, Design & Heritage Sindh will accept the Lowest evaluated bid in terms of Value for Money; the most advantageous bid as per specifications mentioned in the bidding document consistent with Rules PPRA Rules, 2004.
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.

Contra	act Award
ITB 29	0.1

	Other Terms & Conditions:
i.	In case of any unforeseen situation or government holiday resulting in the closure of office on the date of opening. Bid shall be submitted/opened on next working day at the given time
ii.	Tender documents can also be obtained by post against Pay Order/Bank Draft of Rs-800/- as courier charges in addition of the tender fee.
iii.	Aror University of Art, Architecture, Design & Heritage Sindh may reject all or any bid subject to the relevant provision of PP Rules and may cancel the bidding process at any time prior to acceptance of bid or proposal as of said rules.
iv.	Incomplete, conditional and tender without required earnest money in the specified form/format shall be rejected.
v.	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 they can be downloaded from the official website of this University and PPRA, and also can be obtained from the office of the Procurement Officer, Aror University of Art, Architecture, Design & Heritage Sindh. Bid(s) with incomplete bidding documents will straightaway be rejected.
vi.	Bidders are required to provide their valid e-mail Ids and contact numbers (s) for effective and timely communication
vii.	Affidavit that firm has never been blacklisted.
viii.	All Bidding documents must be signed, named & stamped by authorized person of the firm/ Companies along with authorized letter.
ix.	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.
X.	Contract Agreement and Integrity Pact both are mandatory for successful bidder.
xi.	Prescribed Sales Tax Invoice, payment of Stamp Duty at rate specified by Government of Sindh/Pakistan, 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.

33 | Part Two - Section II. Bid Data Sheet

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

GCC 1.1 (i)—The Supplier is:

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement".

3. Performance Security (GCC Clause 7)

GCC 7.1— The amount of performance security, as a percentage of the Contract Price, shall be: *10*%

Performance Security shall be released on recommendations of indenting Department or after completion of six months whichever is earlier.

4. 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

5. Packing (GCC Clause 9)

Sample provision

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

6. 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 (if applicable)

7. Insurance (GCC Clause 11) NA

8. Incidental Services (GCC Clause 13) NA

9. Spare Parts (GCC Clause 14)

Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible.

10. 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 heret

11. Payment (GCC Clause 16)

The entire contract price shall be due and payable upon 100% delivery, subsequent to the issuance of a satisfactory Inspection Certificate by the Indenting Department. Preferably, full payment is expected upon the completion of the delivery. However, in the event of partial delivery, the payment may be paid proportional to the delivered quantity, and an advance payment may be considered in special cases approved from competent authority.

12. Prices (GCC Clause 17)

NA

13. 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.

14. 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 48 of the (PPRA 2004)

15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: English

16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted under the laws of the Islamic Republic of Pakistan which includes the following legislation:

The Employment of Children (ECA) Act 1991 The Bonded Labor System (Abolition) Act of 1992 The Factories Act 1934

17. Notices (GCC Clause 31)

GCC 31.1—procuring agency's address for notice purposes: Aror University of Art, Architecture, Design and Heritage Sindh, RCW Rohri Bypass, Sukkur, Sindh

-Supplier's address for notice purposes:

Section IV. 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: <u>specifications of above items are attached</u>

Section V. Technical Specifications BILLS OF QUANTITIES (BOQ)

Aror University of Art, Architecture, Design and Heritage Sukkur

SUMMARY OF TENDER COST FOR SOUND SYSTEM AND ALLIED SERVICES AT AUDITORIUM AROR UNIVERSITY SUKKUR

Sr. #	Description		Tender Cost
Part-1	SOUND SYSTEM	Rs.	
Part-2	VIDEO CONFERENCING SYSTEM	Rs.	
Part-3	HIKVISION CCTV CAMERAS	Rs.	
Part-4	LED TV	Rs.	
Part-5	LAPTOP	Rs.	
Part-6	SMD SCREEN 4K DISPLAY	Rs.	
	Total	Rs.	

Aror University of Art, Architecture, Design and Heritage Sukkur BILL OF QUANTITIES

Providing, Fixing, Testing, Commissioning with Approperiate Warrenty|Guarntee & After Service for OneYear FOR SOUND SYSTEM AND ALLIED SERVICES AT AUDITORIUM AROR UNIVERSITY SUKKUR

Part-1

SOUND SYSTEM

S. No.	Item Description	Qty	Unit	Rate	Amount in Rs:
	Line Array Speaker:				
1	Type: Compact Linearray Module, 2x5" 2way bi-amp fullrange, Frequency Response(-10dB) : 72Hz~20kHz, Power Handling LF: 160W/ HF: 30W, Transducer: LF. x 130mm(5") Woofer HF. x 25mm(1") Tweeter, Maximum SPL: LF 114.03dB/ HF: 120.60dB, Nominal Impedance LF: 160hms/ HF: 80hms, Nominal Dispersion: Horizontal 90°, Weight: 13.2kg / 29.11b, Complete with: Frame for Line Array. Inter-M or Equivalent	12	each		
2	Line Array SUBWOOFER:TypeCompact:15"subwoofer,FrequencyResponse(-10dB):45?z-350Hz,PowerHandling:450W(AES)/1800W(Peak),Sensitivity(1W/1m):98dBMaximumOutput:131dB/1m,NominalImpedance8%,20Kg,Completewith:HangingRack.Inter-M or Equivalent	2	each		
	Coaxial 2Way Passive Stage				
3	MONITOR: Frequency Response (±3dB): 127Hz ~ 19.2kHz upto 97Hz ~ 15.1kHz, Frequency Range (-10dB): 70Hz ~ 20kHz upto 62Hz ~ 20kHz, Rated Power (AES): 350W upto 450W, Rated Power (Program/Amplifier): 700W upto 900W, Rated Power (Peak) 1400W upto 1800W, Sensitivity (1W/1m): 97dB SPL upto 97dB SPL, Maximum SPL (Peak): 128dB SPL upto 129dB SPL, LF & HF Driver: 12" Coaxial/LF&HF 3" voice coil, Weights (Net): 21.2kg.	2	each		

<u>r a</u>	t I wo - Section V. Technical Specifications				
	Inter-M or Equivalent				
	<u>Power Amplifier :</u>				
	Stereo: 1000W upto 2500W,				
	Bridged: 3400W upto 5000W,				
	Frequency Response : ± 0.5 dB (20				
	Hz~20 kHz), Input Sensitivity:				
4	1.4V, Voltage Gain(@ 8Ω): 36dB,				
	T.H.D(@ 1/3 Power): < 0.1% (20	3	each		
	Hz~20 kHz), S/N (@8Ω): > 106dB,				
	Includes protection circuit: To				
	prevent a damage of over heat, short				
	and over voltage, Weight : 12.5kg.				
	Inter-M or Equivalent				
	<u>Power Amplifier :</u>				
	Stereo: 700W upto 1900W, Bridged:				
	3400W upto 3800W, Frequency				
	Response : ±0.5 dB (20 Hz~20 kHz),				
	Damping Factor: ≥ 400 , Voltage				
5	Gain(@ 8Ω): 36dB, T.H.D. (@ 1/3	•			
	Power): 0.05%, S/N (@8 Ω): > Better	2	each		
	than 106dB, Includes protection				
	circuit: To prevent a damage of over				
	heat, short and over voltage, Weight :				
	12.1 kg. Inter-M or Equivalent				
	Power Amplifier :				
	Stereo: 500W upto 1500W, Bridged:				
	1800W upto 3000W, Frequency				
	Response: ± 0.5 dB (20 Hz~20 kHz),				
	DAMPING FACTOR: ≥ 400 ,				
	Voltage Gain(@ 8Ω): 36dB, T.H.D.				
6	$(@ 1/3 Power): 0.05\%, S/N (@8\Omega):$	1	each		
	> Better than 106dB, Includes	-			
	protection circuit: To prevent a				
	damage of over heat, short and over				
	voltage, Weight : 12 kg. Inter-M or				
	Equivalent				
	Ceiling Speakers for Lobby:				
	Rated Power: 80W, Impedance:				
	COM 125Ω 250Ω 500Ω , Frequency				
7	Response: 150Hz-20kHz, SPL				
	(1W/1M): 93dB, 2 Way speaker	10	each		
	system (6"-2way coaxial type),				
	Multi-tap switch: offers an easy way				
L	which ap switch. Offers all easy way			1	

Inter-M or Equivalent	Par	t Two - Section V. Technical Specifications		r	1	1
9 Digital Single Processer: 4 in, 8 out Digital Signal Processor, 2 x 20 Character LCD Front Panel - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output-Channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz & Al15 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, balanced, Main outputs 2 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Mid interface 1 USB Type B. each 10 Can bear/hold all above equipment 1 each		to change taps on a transformer.				
4 in, 8 out Digital Signal Processor, 2 x 20 Character LCD Front Panel - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUBB reface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each Vumber of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz &le rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range, 9 preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, balanced, Main outputs 2 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack: each 10 Can bar/hold all above equipment 1 each		Inter-M or Equivalent				
4 in, 8 out Digital Signal Processor, 2 x 20 Character LCD Front Panel - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUBB reface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each Vumber of processing channels 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz & htp atter stere, OS ignal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range, - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Mid interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Back; Can bear/hold all above equipment auch						
4 in, 8 out Digital Signal Processor, 2 x 20 Character LCD Front Panel - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 3) Iband GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUSB Interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each Vumber of processing channels 1:8 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1.1 / 48 kHz &115 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Mid interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack; Can bear/hold all above equipment each						
4 in, 8 out Digital Signal Processor, 2 x 20 Character LCD Front Panel - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUSB Interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUSB Interface 18 Channel Mixer; Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 1 each 9 Prequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent input: 41 10 Rack; Can bear/hold all above equipment auch each						
2 x 20 Character LCD Front Panel - - Channel, Function setting, Offer software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent USB Interface 18 Channel Mixer: Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz - 22 kHz unweighted, AD dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent chancels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps. 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
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software only for CSP 4.8, PC control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input-Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent 1 each VUSB Interface 18 Channel Mixer; Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true steroo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / / A/D-D/A conversion: 24-bit @ 44.1 / / / / 48 kHz & anple rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamp, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux unputs, 5 tero 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs // JNB, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent I each 10 Rack; Can bear/hold all above equipment 1 each		2 x 20 Character LCD Front Panel				
8 control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input-Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent each VISB Interface 18 Channel Mixer: Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @44.1 A/D-D/A conversion: 24-bit @44.1 / 48 kHz &L15 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 - 22 kHz unweighted, Cross talk 1 each 10 Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Main outputs 2 XLR, balanced, Main outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. each 10 Rack; Can bear/hold all above equipment 1 each		- Channel, Function setting, Offer				
8 control of the unit through a USB jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input-Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent each VISB Interface 18 Channel Mixer: Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz & L15 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 - 2 KHz unweighted, Cross talk 1 each 10 Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Main outputs 2 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent I each 10 Rack; Can bear/hold all above equipment 1 each		software only for CSP 4.8, PC				
8 jack, DSP function (8band PEQ, 31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent each Vumber of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz &115 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamp, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack: each 10 Imported High Quality Mounting Rack: aabove equipment acach						
31band GEQ, Delays, Mixer, Input- Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent Image: Comparison of Comparison	8					
Compressor, In / Output-Crossover, USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent USB Interface 18 Channel Mixer: Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz & al15 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent 10 Rack: 10 Rack:		-	1	each		
USB, RS232 interface, Free In / Out assign, XLR balance audio in / output, In / Output Delay adjustable to 682ms. Inter-M or Equivalent USB Interface 18 Channel Mixer: Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz &115 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced, Main outputs 2 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs						
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USB Interface 18 Channel Mixer: Image: Channels of the processing channels: 18 Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz &115 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk 1 each 9 preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Main outputs 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent mported High Quality Mounting Rack: 10 Imported High Quality Mounting Rack: Can bear/hold all above equipment acech						
Number of processing channels: 18 input channels, 4 FX return channels, 6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz kal15 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent 10 Imported High Quality Mounting Rack: acach		=				
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6 aux buses, main LR, Internal effects engines: 4 true stereo, Signal processing: 40-bit floating point, A/D-D/A conversion: 24-bit @ 44.1 / 48 kHz & 115 dB dynamic range, Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent I each 10 Imported High Quality Mounting Rack: I each		Number of processing channels: 18				
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Analog I/O latency*: 0.8 ms, Frequency range: 20 Hz - 20 kHz, @ 48 kHz sample rate, +/- 0.5 dB, Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack: 10 Imported High Quality Mounting Rack: Imported High Quality Mounting Rack:		/ 48 kHz &115 dB dynamic range,				
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9Dynamic range analog in to analog out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or EquivalentImported High Quality Mounting Rack: Can bear/hold all above equipment1each						
9 out: 107 dB, 22 Hz - 22 kHz unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack: 10 Imported High Quality Mounting Rack: Imported High Quality Mounting Rack:		1 , , , , ,				
9unweighted, A/D dynamic range preamp to converter: 110 dB, 22 Hz - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or EquivalentImported High Quality Mounting Rack:each10Imported High Quality Mounting Rack:1each						
9 preamp to converter: 110 dB, 22 Hz - - 22 kHz unweighted, Cross talk 1 each rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, 1 each switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, input: 48 V, input: 48 V, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, input: 48 V, input: 48 V, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, input: 48 V, input: 48 V, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, input: 48 V, input: 48 V, 10 Imported High Quality Mounting input: 48 V, input: 48 V, 10 Can bear/hold all above equipment input: 48 V,		-				
9 - 22 kHz unweighted, Cross talk rejection @ 1 kHz, adjacent channels: 90 dB, Phantom power switchable per input: 48 V, Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent Imported High Quality Mounting Rack: 10 Imported High Quality Mounting Rack: Imported High Quality Mounting Rack		• • •				
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10 Connectors: Programmable mic preamps, 16 XLR/TRS combo jacks, balanced designed by MIDAS PRO, Line / Aux inputs, stereo 2 TRS, balanced, Main outputs 2 XLR, balanced, Aux outputs 6 XLR, balanced, Aux outputs 6 XLR, balanced, Phones outputs 1 TRS, ULTRANET 1 RJ45, MIDI inputs / outputs 1/1 DIN, Ethernet 1 RJ45, Audio/Midi interface 1 USB Type B. Midas or Equivalent 10 Imported High Quality Mounting Rack: 10 Can bear/hold all above equipment						
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Line / Aux inputs, stereo 2 TRS, Imported High Quality Mounting Balanced, Main outputs 2 XLR, Imported High Quality Mounting Balanced, Phones outputs 1 TRS, Imported High Quality Mounting Balanced, Phones outputs Imported High Quality Mounting Balanced, Phones outputs Imported High Quality Mounting Balanced, Phones Imported High Quality Mounting Balanced, Phones Imported High Quality Mounting Balanced, Phones Imported High Quality Mounting Back: Imported High Quality Mounting						
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Imported High Quality Mounting Rack: Can bear/hold all above equipment		Midas or Equivalent				
Rack: 10 Can bear/hold all above equipment 1 each		-				
10 Can bear/hold all above equipment 1 each						
	10					
weight load. Inter-M or Equivalent			1	each		

Par	t Two - Section V. Technical Specifications			
	Desktop Gooseneck Microphone:			
11	Consists of unidirectional electronic condenser Microphone and Mic On/Off switch, With the Condenser Microphone, it guarantees high sensitivity and wide frequency range, MIC Input Sensitivity $-45dB \pm 3dB$ (0dB=1V/Pa at 1kHz), Max. SPL Over 105dB, Output Level/ Impedance 600 Ω ± 30%, Gain(Base) - 2dB(Battery), -1.5dB(Phantom), Weight(SET) 1.6kg. Inter-M or Equivalent	4	each	
	Wireless Hand Held Mic (02 Mic			
	+01 Receiver Per Set):			
12	2-channel wireless system for presenters and vocal. Stable UHF band, built-in antennas and streamlined interface with great live sound, Sensitivity 1.8 mV/Pa (free field, no load at 1 kHz), Line/Mic Level 20 dB, Switchable, Signal to noise ratio \geq 103dB, Automatic frequency management and synchronization via remote channel for easy setup, Selectable UHF frequencies within a large bandwidth, Up to 10 compatible channels. SENNHEISER or Equivalent	2	each	
	Wireless Collar Mic (02 Mic + 01			
13	Receiver Per Set): 2-channel wireless system for presenters and vocal. Stable UHF band, built-in antennas and streamlined interface with great live sound, Sensitivity 1.8 mV/Pa (free field, no load at 1 kHz), Line/Mic Level 20 dB, Switchable, Signal to noise ratio ≥103dB, Automatic frequency management and synchronization via remote channel for easy setup, Selectable UHF frequencies within a large bandwidth, Up to 10 compatible channels. SENNHEISER or Equivalent	2	each	
14	<u>Wireless Gooseneck Mic (08 Mic +</u> 01 Receiver Per Set):			
	vi keceiver rer set):			

Frequency Range: 610-670 MHz, Bandwidth: MHz, Channel Quantity; 200, Interval: 300KHz, Frequency stability: ±0.005%, Frequency respond range: 80 Hz-18KHz(±3dB), 2 each T.H.D:: <0.5%, Sensitivity adjusable range: 12-32dBµV, Working Temp, 10°C-40°. SENNIELSER or Equivalent 2 each Speaker Wire Branded Speaker Cable 15 Roll, 2 Core, 9mm or Above Guage, (90 Meter Per Roll) 9 roll 16 Connectors, Connecting cable for connectivity between the all items 1 job	1 1 0	nical Specifications				
15 Roll, 2 Core, 9mm or Above Guage, 9 roll 16 Connectors, Connecting cable for connectivity between the all items 1 job 17 Mic Wire Branded Cable Roll, 2 Core + 1 Sheild, (90 Meter Per Roll) 2 job 18 Complete wiring, Installation and commissioning with Labour etc 1 job Total Total Sign colspan="3">Total VIDEO CONFERENCING SYSTEM Sign colspan="3">Total Video Conferencing IP Based Camera with AI Auto Tracking: Image Sensor 1/2.8" 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class (UAC) UAC 1.0 Gesture Control Yes (AI Control Functions), 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f = 1 1 4.5 mm (Wide) to 135 mm (Tele), 0.1 m 1 each Working Distance, Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Camera Control - Interface RS-232 10NN, Rs-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream	200, Interval: 300 Stability: ±0.003 respond range: 80 T.H.D.: ≤0.5%, Se range: 12-32dBµV 10°C+40°. SEN	Channel Quantity: OKHz, Frequency 5%, Frequency Hz-18KHz(±3dB), nsitivity adjusable , Working Temp.	2	each		
$\begin{tabular}{ c c c c c c c } \hline 1 & Job & & & & & & & & & & & & & & & & & & &$	15 Roll, 2 Core, 9mm	or Above Guage,	9	roll		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Ū.	1	job		
18 commissioning with Labour etc 1 Job Total Total Part-2 VIDEO CONFERENCING SYSTEM S. Item Description Qty Unit Rate Amount in Rs: Video Conferencing IP Based Camera with AI Auto Tracking: Image Sensor 1/2.8" 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class (UAC) UAC 1.0 Gesture Control Yes (AI Control Functions), 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f = 1 1 4.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum Working Distance, Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Camera Control - Interface RS-232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 Years		,	2	job		
Part-2 VIDEO CONFERENCING SYSTEM S. Item Description Qty Unit Rate Amount in Rs: No. Video Conferencing IP Based Image Amount in Rs: Video Conferencing IP Based Image Image Amount in Rs: Image Sensor 1/2.8" 4K Exmor Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class Image Image </td <td></td> <td></td> <td>1</td> <td>job</td> <td></td> <td></td>			1	job		
VIDEO CONFERENCING SYSTEMS.Item DescriptionQtyUnitRateAmount in Rs:No.Video Conferencing IP Based Camera with AI Auto Tracking: Image Sensor 1/2.8" 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class (UAC) UAC 1.0 Gesture Control Yes (AI Control Functions), 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f = 1 4.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum Working Distance, Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Camera Control - Interface RS-232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 YearsInitInitInit					Total	
S. No.Item DescriptionQtyUnitRateAmount in Rs:VideoConferencingIPBased Camera with AI Auto Tracking:						
No.Item DescriptionQtyUnitRatein Rs:VideoConferencingIPBasedin Rs:in Rs:ImageSensor 1/2.8"4KExmorin Rs:CMOS, 8Megapixels, 4K/60Maximum 720p/50Minimum, AIControl FunctionsUSB Audio Class(UAC) UAC 1.0 Gesture Control Yes(AI Control Functions), 30x OpticalZoom, 0.5 lux (IRE50, F1.6, 30fps),Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f =114.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum1eachWorking Distance, Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Camera Control - Interface RS-232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 Years	VIDEO CONFERENCING SYSTEM				1	
Camera with AI Auto Tracking:Image Sensor 1/2.8" 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class (UAC) UAC 1.0 Gesture Control Yes (AI Control Functions), 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f =14.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum Working Distance, Pan / Tilt Angles Pan : $\pm 170^{\circ}$, Tilt : $\pm 90^{\circ}$ / -30° , Camera Control - Interface RS-232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 Years	G					
Image Sensor 1/2.8" 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, AI Control Functions USB Audio Class (UAC) UAC 1.0 Gesture Control Yes (AI Control Functions), 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f = 11each14.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum Working Distance, Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Camera Control - Interface RS-232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 Years1	Item Des	cription	Qty	Unit	Rate	
2	No. Item Des Video Conference	cing IP Based	Qty	Unit	Rate	

Par	t Two - Section V. Technical Specifications			44
	Image Sensor $1/2.8$ " 4K Exmor CMOS, 8 Megapixels, 4K/60 Maximum 720p/50 Minimum, 30x Optical Zoom, 0.5 lux (IRE50, F1.6, 30fps), Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR, Focal Length f = 4.5 mm (Wide) to 135 mm (Tele), 0.1 m (Wide), 1.2 m (Tele) Minimum Working Distance, Pan / Tilt Angles Pan : $\pm 170^{\circ}$, Tilt : $+90^{\circ}$ / - 30°, Camera Control - Interface RS- 232 (DIN8), RS-422 (RJ45), IP, USB, IP Streaming Resolution 2160p 60fps, (4) 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G- SDI Multi-Stream Capability, USB 3.1, Aver or Equivalent having 03+02 Years Warranty	4	each	
	PTZ Camera Controller			
3	Professional PTZ camera controller with a robust communication interface, built-in VISCA and Pelco- D/P protocols. It supports RS-422 / RS-485/ RS-232 / IP control for compatibility with most PTZ cameras. I/O Interface : Communication RS-485, RS-422, RS-232, IP, Micro USB for firmware upgrades, Display OLED display screen, Camera Shortcut 7Channel, 3 Rotation Button, 1 Joystick, Cam ID 1 to 7 and more (255* max.), Control Protocol VISCA, SONY VISCA , Pelco-D/P, UDP, IP (VISCA over IP), 5 Cameras will connect into same LAN or OBS app (Complementary), Aver or Equivalent having 03 Years Warranty	1	each	
	16-Port Gigabit Rackmount Switch			
4	16 10/100/1000Mbps RJ45 ports, Innovative energy-efficient technology saves power consumption, Supports MAC address self-learning and auto MDI/MDIX, Standard 19- inch rack-mountable steel case, TP- Link or Equivalent	1	each	
5	<u>Cat6 Cable</u> Pure Copper cable, UTP, 4 twisted- pairs cable, Solid bare copper conductor material, 305 Meter, 3M or	2	roll	

Part Two - Section V. Technical Specifications HDMI Fiber Cable 30x3 50x2 Qty 5 6 each Meter Complete Mounting Bracket, wiring, 7 Installation and commissioning with 1 job Labour etc Total Part-3 HIKVISION CCTV CAMERAS S. Amount **Item Description** Qty Unit Rate in Rs: No. **CCTV Camera:** Camera HD-IP. 1080p, 4MP, with 8 1 3.6mm Lens Night Vision each HIKVISION or Equivalent having **01 Years Warranty** NVR 16 Channel: NVR 16 Channel Hybrid Network 1 2 Support each **HIKVISION** or Equivalent having **01 Years Warranty** Hard Drive: Hard Drive for Recording 4 TB Size, 3 1 each for Survilance 4 **PoE Switch 8 Ports** 2 each 5 HDMI Converter Pair RJ45 to HDMI 3 each 6 HDMI Splitter for Other Display 1x4 1 each wiring, Connectors, Complete Installation and commissioning with 7 1 job Labour etc Total Part-4 LED TV S. Amount **Item Description** Unit Rate Qty in Rs: No. 1 Samsung Smart LED 4K 86" 2 each 2 Ceiling / Wall Mounting Kit 2 each HDMI Cable 30 to 50 Meter (Subject 3 4 each to site requirement) HDMI 4K Switcher 4 IN x 1 Out 4 2 each Branded Superior Quality

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Par	t Two - Section V. Technical Specifications		•		
5	HDMI 4K Splitter 1 IN x 8 Out Branded Superior Quality	2	each		
6	Complete wiring, Installation and commissioning with Labour etc	1	each		
				Total	
	Part	-5			
	LAPT	ОР			
S. No.	Item Description	Qty	Unit	Rate	Amount in Rs:
1	Core i5 13TH GEN, 8GB,512GB, FHD WINDOWS-BAKLIT KEYBOARD 3 YEAR WARRANTY HP Or equivalent	1	each		
			1	Total	
	Part	-6			
	SMD SCREEN 4	4K DISP	LAY		
S. No.	Item Description	Qty	Unit	Rate	Amount in Rs:
1	P2.5 Indoor SMD Display 10'×20' 4K Resolution (Number OF Modules=200 Fixed Indoor Installation), GKGD or Equivalent	200	SFT		
2	Iron Structure with supporting rods roof to floor. Locally Febricated	1	job		
3	Control System(HUIDU) Sending & Receiving Cards GKGD or Equivalent	1	job		
4	HDMI Fiber Cable 30 Meter (From Rosturm to Control Room)	2	MTR		
5	HDMI Fiber Cable 10 Meter (From Control Room)	1	MTR		
6	Wiring (CAT 6/RJ45 with Power)	1	each		
7	Complete wiring, Installation and commissioning with Labour etc	1	job		
	· ·			Total	
NO	re.				

NOTE:

- The above quantity could be reviewed and/or adjusted as per requirement. •
- Delivery should be made in the premises of University; no carriage will be paid separately. •
- Quoted Amount should be inclusive of all applicable taxes.
- Bidder must quote all the items in BOQ. ٠

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Project Coordinator

Contractor

(INTEGRITY PACT) DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.

Contract No.	
Contract Value:	

Dated _____

Contract Title: <u>Supply, Providing, Installing Testing & Commissioning of Sound System</u> <u>& Allied Services AT AROR UNIVERSITY OF ART, ARCHITECTURE,</u> DESIGN & HERITAGE SINDH.

M/s______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 Contractor]* 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 Contractor*] 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 Contractor] 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 time the sum of any commission, gratification, bribe, finder's fee or kickback given by *[name of Contractor]* 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.

Project Coordinator

(Contractor)

Notes on the Sample Forms

The Bidder shall complete and submit with its bid the **Bid Form** and **Price Schedules** pursuant to ITB Clause 9 and in accordance with the requirements included in the bidding documents.

When requested in the Bid Data Sheet, the Bidder should provide the **Bid Security**, either in the form included hereafter or in another form acceptable to the Procuring agency, pursuant to ITB Clause 15.3.

The **Contract Form**, when it is finalized at the time of contract award, should incorporate any corrections or modifications to the accepted bid resulting from price corrections pursuant to ITB Clause 16.3 and GCC Clause 17, acceptable deviations (e.g., payment schedule pursuant to ITB Clause 25.4 (c), spare parts pursuant to ITB Clause 25.4 (d), or quantity variations pursuant to ITB Clause 29. The Price Schedule and Schedule of Requirements deemed to form part of the contract should be modified accordingly.

The **Performance Security** and **Bank Guarantee for Advance Payment** forms should not be completed by the bidders at the time of their bid preparation. Only the successful Bidder will be required to provide performance security and bank guarantee for advance payment in accordance with one of the forms indicated herein or in another form acceptable to the Procuring agency and pursuant to GCC Clause 7.3 and SCC 11, respectively.

The **Manufacturer's Authorization** form should be completed by the Manufacturer, as appropriate, pursuant to ITB Clause 13.3 (a).

1. Bid Form and Price Schedules

Date:	
IFB N°:	

To: [name and address of Procuring Agency]

Gentlemen and/or Ladies:

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
(if none, state "none")		
We understand that you are not	t bound to accept the lowest or	r any bid you may receive.
Dated this	day of	19
[signature]	[in the capa	acity of]
Duly authorized to sign Bid for	and on behalf of	

Price Schedule in Pak. Rupees

Name of Bidder______. IFB Number_____. Page of____.

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price DDP named place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required ³

Signature of Bidder _____

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

³ Must be included if required under ITB 11.2

2. Bid Security Form

Whereas [name of the Bidder] (hereinafter called "the Bidder") has submitted its bid dated [date of submission of bid] for the supply of [name and/or description of the goods] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE [name of bank] of [name of country], having our registered office at [address of bank] (hereinafter called "the Bank"), are bound unto [name of Procuring agency] (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____24.

THE CONDITIONS of this obligation are:

- 1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form, if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

[signature of the bank]

3. Contract Form

THIS AGREEMENT made the _____ day of _____ 24___ between [name of Procuring Agency] of [country of Procuring agency] (hereinafter called "the Procuring agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

- (a) the Bid Form and the Price Schedule submitted by the Bidder;
- (b) the Schedule of Requirements;
- (c) the Technical Specifications;
- (d) the General Conditions of Contract;
- (e) the Special Conditions of Contract; and
- (f) the Procuring agency's Notification of Award.

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. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by ______ the _____ (for the Procuring agency)

Signed, sealed, delivered by ______ the _____(for the Supplier)

4. Performance Security Form

To: [name of Procuring agency]

WHEREAS [name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. [reference number of the contract] dated ______ 19____ 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 _____24.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

5. Bank Guarantee for Advance Payment

To: [name of Procuring agency]

[name of Contract]

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]

[address]

[date]

Manufacturer's Authorization Form

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

To: [name of the Procuring agency]

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 negotiate and sign the Contract with you against IFB No. [reference of the Invitation to Bid] for the above goods manufactured by us.

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

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer 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.

6.