Sindh Institute of Child Health and Neonatology (SICHN)
Government of Sindh

Bidding Documents

For

National Competitive Bidding

Pakistan

Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I

PART ONE (FIXED)

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

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Instructions to Bidders

A. Introduction

1. Source of Funds

1.1 The Procuring agency has received /applied for loan/grant/federal/provincial/local government funds from the source(s) indicated in the bidding data in various 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.

1.2 Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Sindh., and in case of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

2. Eligible Bidders

2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2009 and its 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 which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.

2.3 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.

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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 SPP Rules, 2009 and its 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. Content of Bidding Documents

5.1 The bidding documents include:

(a) Instructions to Bidders (ITB)
(b) Bid Data Sheet
(c) General Conditions of Contract (GCC)
(d) Special Conditions of Contract (SCC)
(e) Schedule of Requirements
(f) Technical Specifications
(g) Bid Form and Price Schedules
(h) Bid Security Form
(i) Contract Form
(j) Performance Security Form
(k) Manufacturer's Authorization Form

5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

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6. Clarification of Bidding Documents

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

7. Amendment of Bidding Documents

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

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

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

C. Preparation of Bids

8. Language of Bid

8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the 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 Comprising the Bid

9.1 The bid prepared by the Bidder shall comprise the following components:

(a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;

(b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified

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to perform the contract if its bid is accepted;

(c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and

(d) bid security furnished in accordance with ITB Clause 15.

10. Bid Form

10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

11. Bid Prices

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

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

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

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

12. Bid Currencies

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

13. Documents Establishing Bidder's Eligibility and

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

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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.

13.3 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:

(a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring agency's country;

(b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;

(c) that, in the case of a Bidder not doing business within the Procuring agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and

(d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.

14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:

(a) a detailed description of the essential technical and performance characteristics of the goods;

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(b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and

(c) an item-by-item commentary on the Procuring agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

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

15. Bid Security

15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.

15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

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 in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, pursuant to ITB Clause 24.

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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. Period of Validity of Bids

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, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.

16.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

17. Format and Signing of Bid

17.1 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 person or persons duly authorized to bind the Bidder to the

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

17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

18.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." The envelopes shall then be sealed in an outer 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

(b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: "DO NOT OPEN BEFORE," to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 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 Submission of Bids

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 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 in accordance with ITB Clause 7, in which case all rights and obligations of the Procuring agency and bidders previously

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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 and Withdrawal of Bids

21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.

21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18, by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

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

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Procuring agency

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

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

22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that

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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.

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

23. Clarification of Bids

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. Preliminary Examination

24.1 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 which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

24.4 Prior to the detailed evaluation, pursuant to ITB Clause 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 is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

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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 Bids

25.1 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 in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 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 in the Procuring agency's country 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

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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 stipulate the payment schedule offered by

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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 high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the 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 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

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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 in the Technical Specifications.

or

(ii) 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 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 costs	0 to 20

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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 agency

26.1 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. Post-qualification

27.1 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 Criteria

28.1 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.

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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 Award

31.1 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 Contract

32.1 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.

33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid

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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 agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made 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 any thing 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 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;

(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.

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Part One - Section II.
General Conditions of Contract

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Table of Clauses

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General Conditions of Contract

1. Definitions

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

(a) "The Contract" means the agreement entered into between the 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.

(j) "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

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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 of the World Bank, as further elaborated in the SCC.

3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

4. Standards

4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; Inspection and Audit by the Government

5.1 The Supplier shall not, without the Procuring agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the 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.

5.3 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

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the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.

6. Patent Rights

6.1 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 Security

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 to 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, in a timely manner, of the identity of any representatives retained for these purposes.

8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and

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assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

8.3 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.

8.4 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.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the 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

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having been delivered, hence insurance coverage is sellers responsibility.

12. Transportation

12.1 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 Services

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

(a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;

(b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;

(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;

(d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

(e) training of the 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.

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

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purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

(b) in the event of termination of production of the spare parts:

(i) advance notification to the 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

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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

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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 Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

20. Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the 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 Performance

22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the 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 Damages

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s)

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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 Default

24.1 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 any thing 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

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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 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 Insolvency

26.1 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 Convenience

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.

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

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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 Disputes

28.1 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 and/or arbitration.

29. Governing Language

29.1 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 Law

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 Duties

32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

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Sindh Institute of Child Health and Neonatology (SICHN)
Government of Sindh

Bidding Documents

For

National Competitive Bidding

Pakistan

Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I

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

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RECEIPT

Receipt No: GOS/SICHN/Pro-PME/Ph-I/26-27 Dated: _____

Received Bidding Document fee Rs.5000/ (Rupees Five Thousand only) nonrefundable fee that have been deposited in Sindh Institute of Child Health and Neonatology (SICHN) Sindh Bank Account no. 0357-597726-1000 dated on _____ from M/s. _____ in respect of purchase of Invitation to Bid for Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I Receipt No: GOS/SICHN/Pro-PME/Ph-I/26-27 for the Financial Year 2026-27

Signature _____ _____

Stamp _____

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Table of Contents - Part Two

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INVITATION FOR BID (NIT)

IFB No:GOS/SICHN/Pro-PME/Ph-I/26-27

The Government of Sindh received an allocation from the Public Funds in Pak rupees towards the cost of Sindh Institute of Child Health and Neonatology (SICHN), Government of Sindh in Sindh Province. It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I.

2. The Sindh Institute of Child Health and Neonatology (SICHN), Government of Sindh Karachi now invites e-bids through E-Pak Acquisition and Disposable System (EPADS) for eligible Manufacturer and Distributors for the Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I for the fiscal year 2026-27. The procurement method will be **Rule-46 (2) Single Stage Two Envelope Procedure**. The eligible bidders and firms in Sindh, should have valid registration with tax authorities of Islamic Republic of Pakistan (Income Tax, SRB (where applicable) & Sales Tax Department) and

3. Interested eligible bidders may obtain further information from the office of Executive Director, First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi Phone no. +9221-99333101-2-3 and E-mail: info@sichn.com.pk.

4. The Bids prepared in accordance with the instructions in the bidding documents must be submitted on EPADS and purchased by interested bidders on the submission of written application, to payment of Rs.5000/ Tender nonrefundable Fee that have to be deposited in Sindh Institute of Child Health and Neonatology (SICHN) Sindh Bank Account and Bank Paid Deposit Slip submit at First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi between 0900 to 1500 hours except Sunday, Saturday and Holidays from date of publication up to **16-09-2026 up to 10:00 a.m**. A complete set of bidding document containing detailed terms and conditions, can be viewed / downloaded from https://portalsindh.eprocure.gov.pk/#/.

5. The Bids must be submitted on EPADS on or before **Date of Opening up to 10:30 a.m.** and must be accompanied by a bid security of Two (2%) of estimated value of the procurement in favor of Sindh Institute of Child Health and Neonatology (SICHN) must reach before the deadline for the submission of e-bids, which will be opened on the same day **16-09-2026 at 11: 00 a.m** First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi.

6. The rates quoted should be inclusive of GST, Income Tax, etc. Applicable taxes will be deducted at source at prescribed rates. Delivery of Services will be made in as mentioned in the bidding document.

7. The bidders are requested to give their best and final prices as no negotiations are allowed.

8. In case Government declared / announce public holiday on the date of opening of Tender, the Tenders will be submitted / opened on the next working day.

9. The proposal shall be submitted through E-tendering portal under Technical and Financial/Commercial options on E-pad with all the supporting documentary evidence by or before the closing date and time.

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10. In the first instance, technical Proposal shall be opened on the E tender portal, and then the "Financial Proposal" shall be retained unopened.

11. During the technical evaluation, no amendments to Technical Proposal shall be permitted.

12. After the evaluation and approval of the technical proposals, the financial/commercial (on E-tender portal) shall be opened for technically responsive firms, publicly at a time, date and venue announced and communicated to the Bidder in advance, within the proposed validity period.

13. The financial proposals found technically non-responsive shall be rejected.

14. Financiall Proposal shall be evaluated based on procuring agency evaluation criteria as provided in the bidding document on E-pad portal.

15. The lowest evaluated bidder shall be awarded the contract.

16. Bidders are required to offer most competitive lowest price of their quoted items as no negotiations on quoted price are allowed under the rules.

17. Procurement Committee reserves the Right to accept or Reject any or all Bids prior to award of contract as per SPPRA Rules, 2010 (amended 2019).

18. In case of any difficulty prospective bidders may contact EPADS helpline 051-111-137-237 during working days/hours

Executive Director, (SICHN)
Government of Sindh

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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	SICHN, Government of Sindh
ITB 1.1	Name of Project: Sindh Institute of Child Health and Neonatology (SICHN)
ITB 1.1	Name of Contract: Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I
ITB 4.1	Name of Procuring agency: SICHN, Govt. of Sindh
ITB 6.1	Procuring agency's address, telephone, telex, and facsimile numbers: Sindh Institute of Child Health and Neonatology (SICHN), Office First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi, Phone no. +9221-99333101-2-3 and E-mail: info@sichn.com.pk.
ITB 8.1	Language of the bid: English

Bid Price and Currency	
ITB 11.2	The price quoted shall be in Pakistani Rupees. The Prices indicated in the Price Schedule shall be delivered duty paid (DDP). The price of other (incidental) services, if any, may be mentioned separately.
ITB 11.5	The price shall be fixed, and in Pakistani Rupees.

Preparation and Submission of Bids	
ITB 15.1	The Bid Security shall be an amount not less than 2% of the estimated allocated budget or as specified against each item in the Schedule of Requirements and shall be submitted in the form of a Pay Order, Bank Call Deposit or Demand Draft issued by a scheduled bank in Pakistan in favor of the Sindh Institute of Child Health and Neonatology (SICHN).
ITB 16.1	Bid validity period: Validity Period of the Bid will be Ninety (90) Days
ITB 17.1	Number of copies: One Original Technical proposal & One Original

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	Financial proposal on EPad
ITB 18.2 (a)	Address for bid submission: Executive Director, SICHN, Govt. of Sindh Office First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi by hand.
ITB 18.2 (b)	IFB title and number: Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I IFB No. GOS/SICHN/Pro-PME/Ph-I/26-27
ITB 19.1	Deadline for bid submission: September 16, 2026 at 10:30 a.m
ITB 22.1	Time, date, and place for bid opening: September 16, 2026 (11:00 a.m) at address mentioned at ITB 18.2 (a)
ITB 24.2	Performance Security equal to 5 % in form of pay order, Demand Draft or bank guarantee shall be submitted by the vendor.

Bid Evaluation	
ITB 25.3	Criteria for bid evaluation:
Contract Award	
ITB 29.1	Percentage for quantity increase or decrease: 15%

ITB 25.3 Bid Evaluation (Mandatory)

Bidders are requested to read and check the below requirement carefully. The provision of below documents is essential prerequisite along with submission of bid. Bids without below documents will be declared as **DIS-QUALIFIED**.

SR. #	DETAIL	YES/NO	PAGE # /Annex.
1	Tender Purchase Receipt / Paid Bank Deposit Slip		
2	Bid Security (2%) Photocopy with value hidden in Technical Proposal; Original in Financial)		
3	NTN Certificate		
4	GST Registration Certificate		
5	DRAP license showing importer of medical devices or proof of on-going process for registration. (Where applicable)		
6	Technical Proposal on Company's Letterhead without showing rates		
7	Manufacturer's Authorization letter		
8	SECP Incorporation Certificate (where applicable)		
9	PNRA Registration Certificate (where applicable)		
10	PEC Registration Certificate (where applicable)		
11	Undertaking on Rs.100/- bidder is not blacklisted/debarred by any procuring agency and the acceptance of bid with terms & conditions mentioned in bidding documents		
12	Technical Team Details (Workshop details & Technical Staff Bio data with Training Certificates)		

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13	ISO 9001 of **Bidder** (where applicable) **(website link must be provided for verification)**		
14	ISO 13485 of Manufacturer (where applicable) **(website link must be provided for verification)**		
15	FDA510(K) / JIS (where applicable) **(website link must be provided for verification)**		
16	Company Profile		
17	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good).		
18	Human Resource Including Detail of Technical Team **(Annexure-I)**		
19	Section A: Specialized Testing and Calibration Tools & Section B: Major Spare Parts **(Annexure-J)**		
20	List Of Installation / Reference Client **(Annexure-K)** **Note:** If a bidder fails to meet the installation criteria for quoted equipment as specified in the individual equipment specifications, that bid will be considered as non-responsive for that equipment.		
21	Compliance Sheet/ Technical Evaluation Sheet of Each Quoted Items **(Annexure-L)**		

Undertaking:
We hereby confirm that we have read, understand and agree with above.

Signature & seal (bidder):_____

Note:

1. The installation criteria for each equipment are mentioned in Specification is considered as a part of mandatory requirement; bidders must fulfill these requirements as specified in the equipment specifications. Failure to do so will lead to the disqualification.
2. Bidders must submit all relevant documents required for the mandatory and marking criteria on EPAD. Any missing documents will lead to disqualification, and hard copies of missing documents will not be considered.

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EVALUATION CRITERIA SECTION

NOTE

Financial proposal must be submitted on company letter head duly signed and stamped. Bidder is required to type their offer in figure and as well as in words of the total amount else the offer would be rejected.

EVALUATION / QUALIFICATION

1.1 The procuring agency reserves the right to evaluate and compare the bids on itemized basis OR on the basis of a group of similar nature goods OR goods compatible with each other.
1.2 The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.
1.3 Bidders achieving minimum **70 marks** will be considered only for further process. Documentary evidence must be attached in support of each parameter.
1.4 **Any Bid not meeting the mandatory requirements of evaluation criteria will be disqualified / rejected straight away and will not be considered for further evaluation.**

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
1	**Conformity to the Purchaser's Specifications (Mandatory)**	**20**
1.1	Fully compliant with the required specifications	20
1.2	Compliant with minor deviation (up to 10% subject to main function is not affected)	10
1.3	Non-compliant to required specifications	**Disqualify**
2	**Product Certification**	**12**
2.1	USA Food & Drug Administration (USA-FDA) and European Community (CE) MDD and Japan Industrial Standard (JIS) / Japan Quality Assurance Organization (JQAO) / Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan	12
2.2	European Community (CE) MDD and Japan Industrial Standard (JIS) / Japan Quality Assurance Organization (JQAO) / Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan **OR** USA - Food and Drug Administration (USA-FDA) and European Community (CE)	10
2.3	USA - Food and Drug Administration (USA-FDA)	08
2.4	European Community (CE) MDD	06
2.5	Japan Industrial Standard (JIS)/Japan Quality Assurance Organization (JQAO)/ Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan	04
3	**Last three Years' Experience in 5 Public Sector Hospitals (2 Marks of each)** Documentary evidence in shape of Purchase Order with Installation Report and Satisfactory performance certificate must be attached	**10**
4	**Last three Years' Experience in 5 Private Sector Hospitals (2 Marks of each)** Documentary evidence in shape of Purchase Order with Installation Report and	**10**

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	Satisfactory performance certificate must be attached	
5	**Annual Turnover during last three (03) financial years Duly verified from FBR Tax Returns (Financial Soundness)**	**06**
5.1	200.00 (Million) and above	06
5.2	150.00 (Million) to below 200.00 (Million)	05
5.3	100.00 (Million) to below 150.00 (Million)	04
5.4	50.00 (Million) to below 100.00 (Million)	03
6	**Financial Worth of each year average for continuous last three years (Assets Minus Liabilities in FBR Returns)**	**06**
6.1	200.00 (Million) and above	06
6.2	150.00 (Million) to below 200.00 (Million)	05
6.3	100.00 (Million) to below 150.00 (Million)	04
6.4	50.00 (Million) to below 100.00 (Million)	03
8	**Valid ISO-9001**	**04**
9	Valid ISO-13485	**04**
10	**Technical Staff**	**07**
10.1	Diploma / Associate Engineers in relevant field (0.5 mark for each)	03
10.2	Graduate Engineers in relevant field (1 marks for each)	04
11	**Delivery Schedule at consignee's end**	**07**
11.1	Up to 12 Weeks	07
11.2	Up to 16 Weeks	04
11.3	More than 16 Weeks	00
12	**Authorization**	**05**
12.1	Itself Manufacturer	05
12.2	Valid Authorization of Manufacturer of Equipment	04
12.3	Non-submission of valid manufacturer's authorization	**Disqualify**
13	**No. of Years in Business**	**05**
13.1	More than 15 Years of experience in similar nature of project	05
13.2	More than 10 Years of experience in similar nature of project	04
13.3	More than 05 Years of experience in similar nature of project	03
14	**Bonus points**	**04**
14.1	Free of Cost Extended Warranty (in accordance with the standard warranty period) at least for one year including parts & services & labor. (Bidder offering greater extended warranty period will get the full marks)	04
TOTAL MARKS		**100**

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Note: Qualifying Marks 70 out of 100.

Proposal Evaluation:

1. Technically qualified/successful bidder(s) shall be eligible for further process.
2. Bids not accompanied by the Bid Security of required amount and form shall be rejected.
3. Procuring Agency shall not be responsible for any erroneous calculation of taxes and all differences arising out shall be fully borne by the Successful Bidder.
4. For the purpose of comparison of bids quoted in different currencies, price shall be converted into Pakistani Rupees. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids, as notified by the National Bank of Pakistan (NBP) / State Bank of Pakistan (SBP).

Note:

1. Technical qualified bidder has to submit sample for demo evaluation and will be informed in advance to make the necessary arrangement for submission of sample If a company/firm fails to submit a demo sample of quoted items despite being technically qualified, the supplier will be considered as non-responsive in technical evaluation.

2. More than 1 installation of any equipment of similar or better models installed in the same entity/organization will be counted as one installation.

3. If the Technical Bid is improperly scanned, illegible, incomplete, or contains irrelevant or misplaced documents, the submitted bid shall be considered non-responsive and may be declared null and void

4. The bidder should share purchase order in evidence which represents its own credibility of selling the same nature of product or related to quoted items

5. Technical Staff: Details of the currently employed technical staff shall be provided. Irrelevant or non-current profiles, CVs, educational documents, or degrees shall not be considered. The Bidder shall submit details and supporting documents only for technical staff presently working with the firm.

Contract Award	
ITB 29.1	Procuring Agency reserves the right to drop any item and increase or decrease the quantity of goods originally specified in Schedule of Requirements / Technical Specifications without any change in unit price and other terms & conditions.
ITM 32.1	Successful Bidder and the Procuring Agency will sign the Contract Agreement on the stamp paper with stamp duties as per the article 22-A (Contract) of the schedule of Stamp Act 1899. The expenditure involved on the said contract agreement will be borne by the bidder.

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Table of Clauses

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Special Conditions of Contract

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

I. **Definitions (GCC Clause 1)**

GCC 1.1 (g)—The Procuring agency is: SICHN, and Government of Sindh

GCC 1.1 (h)—The Procuring agency's country is: Islamic Republic of Pakistan

GCC 1.1 (j)—The Project Site is: Sindh Institute of Child Health and Neonatology (SICHN), Office First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi.

2. Country of Origin (GCC Clause 3)

All authorized sanction countries which are under the 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. Technical Specifications (GCC Clause 4)

The technical specifications of the good provided in these bidding documents are only for widest possible competition and not for favor any single contractor or supplier nor put others at a disadvantage. However, the brand name, catalogue No. / Name etc., if any, has only been used for the reference purpose. Equipment offered **"AT LEAST EQUIVALENT OR HAVING BETTER TECHNICAL SPECIFICATIONS"** shall also be considered

4. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be Five (5%) in shape of Pay Order, Demand Draft or unconditional & irrevocable Bank Guarantee.

GCC 7.4— After providing services, the performance security of 5%. The Pay Order, Demand Draft or Bank Guarantee against performance security will be released upon completion of the project.

5. Inspections and Tests (GCC Clause 8)

GCC 8.6— he Procuring Agency or its representative reserves the right to inspect and test the Goods to ensure they conform to the Contract specifications, at no additional cost to the Procuring Agency. This includes proper installation, commissioning, and testing of any delivered equipment. Any software upgrades will be provided free of charge.

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In the event that the feedback from testing and inspection of the equipment is negative, the SICHN, GoS will take further actions in accordance with the terms and conditions outlined in the bidding documents and relevant SPPRA rules and regulations. If any inspected or tested Goods fail to meet the Specifications, the Procuring Agency may reject the Goods. In such cases, the Supplier is obligated to either replace the rejected Goods or make the necessary modifications to ensure compliance with the specifications, at no additional cost to the Procuring Agency.

1. Packing (GCC Clause 9)

GCC 9.2—The following SCC shall supplement GCC Clause 9.2: export worthy packaging.

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.

7. Delivery and Documents (GCC Clause 10)

GCC 10.2—*For Goods supplied from within the Procuring Agency's country:* The Bidder shall provide the following documents at the time of delivery of goods to the Store / Warehouse of the SICHN Hospital Korangi No 5, Karachi for verification duly completed in all respects:

i. Original copies of Delivery Note (Delivery Challan) (in duplicate) showing item's description, make, model, quantity as well as Lot Number, Batch Number, Registration Number, manufacturing and expiry dates (if applicable).

ii. Original copies of the Bidder's invoices (in duplicate) showing warranty, item's description, make, model as well as Lot Number, Batch Number, Registration Number, manufacturing and expiry dates (if applicable) per unit cost, and total amount.

iii. Original copies of the Sales Tax Invoices (where applicable) in duplicate showing item's description, quantity, per unit cost without Sales Tax, amount of Sales Tax and total amount with Sales Tax.

iv. Manufacturers or Bidder's warranty certificate.

v. Inspection certificate issued by the nominated inspection committee / Bidder's factory inspection report.

vi. Certificate of origin.

vii. User manual, technical and service manual, software, spare parts catalogue and price list must be provided with the equipment.

GCC 10.2—*For Goods supplied from abroad as per INCOTERM CNF/ C&F / CPT Karachi:* Upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail/ email / submit the following documents to the Procuring Agency immediately arrival/shipped prior to arrival of the Goods at the port or place of arrival and, if not received, the Bidder will be responsible for any consequent expenses.:

1. copies of the Supplier 's invoice showing Goods, service manual & User manual 'description, quantity, unit
   price, and total amount;

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2. original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
3. copies of the packing list identifying contents of each package;
4. insurance certificate;
5. Manufacturer ‘s or Supplier ‘s warranty certificate;
6. inspection certificate, issued by the nominated inspection agency, and the Supplier ‘s factory inspection report; and
7. certificate of origin

8. Insurance (GCC Clause 11)

GCC 11.1— ***For Goods supplied from within the Procuring Agency’s country:*** 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 sellers’ responsibility. Since the Insurance is seller ‘s responsibility they may arrange appropriate coverage. Insurance certificate will be provided by the bidder and bourn by the bidder

GCC 11.1— ***For Goods supplied from abroad as per INCOTERM CNF/ C&F / CPT Karachi:***

CNF (Cost and Freight) the seller is responsible for all costs associated with transporting the goods to the named port of destination, including freight charges. However, the buyer assumes responsibility for insurance, as well as any risks that may arise after the goods are loaded onto the vessel.

C&F (Cost and Freight) that the seller is responsible for both the cost of the goods and the freight charges to the specified destination. The responsibility for insurance falls to the buyer, who must also cover unloading fees, import duties, and any applicable local taxes upon arrival.

CPT (Carriage Paid To) the seller is responsible for paying the transportation costs to deliver the goods to a specified location. The seller assumes risk and responsibility up until the goods are handed over to the first carrier. Once the goods are with the carrier, the buyer takes on the risk and is liable for insurance from that point onwards.

9. Spare Parts (GCC Clause 14)

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable, spares parts (including X-ray tube, detector, Probes, Lamps, Lens, coils, battery etc.) for the Goods. Other spare parts and components if not in stock shall be supplied as promptly as possible, but in any case, within 4 weeks of placing the order on DDP basis and in case of import of part within 6 weeks after opening the letter of credit. All spares during warranty period must be supplied from stock, and if part is not in stock and requires import, that a loner equipment must be provided. Spare parts/accessories/consumables must be supplied for at least 10 years after successful installation, and if the product is discounted before 10 years, upgrade latest equipment must be provided by the principals or replace by the bidder at 50% of the ordered cost.

(Principals letter head for availability of Spare parts)

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10. Warranty (GCC Clause 15)

GCC 15.1 — The bidder shall be responsible for ensuring a minimum of 95% uptime of the machinery and equipment during the warranty and/or contract period. In the event of downtime, compensation will be provided in the form of an extension of the warranty period, which will be extended free of charge (FOC), including parts, services, and labor, for twice the duration of the downtime. The bidder must provide 24/7 service availability and alternative backup solutions during any periods of machine downtime.

GCC 15.2—In partial modification of the provisions, the warranty period shall be twelve

(12) months or as per the extended warranty period from the date of acceptance of the Goods. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

(a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with GCC 8,

(b) pay liquidated damages to the Procuring agency with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 0.5% per week or or part thereof the total amount of contract.

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is 20 days or earlier.

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11. Payment (GCC Clause 16)

GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

i. For Goods supplied from within the Procuring Agency's country:

(a) Payment shall be made in Pak Rupees.

(b) 100% of the Contract Price on complete delivery of store within thirty (30) days on submission of claim supported by acceptance certificate from procuring agency declaring Goods have been delivered and that all contracted services have been performed.

(c) Part payment on part supply may be allowed

OR

ii. For Goods supplied from outside the Procuring Agency's country:

(a) Payment shall be made in Foreign Currency.

(b) The Procuring Agency shall pay the Bidder or its Principal through irrevocable letter of credit opened in favor of the Bidder or its Principal in a bank in its country, upon submission of all the requisite documents.

Bidder will bear the insurance charges and all the additional bank charges inside and outside the Procuring Agency country on account of L/C, if he desires to establish a confirmed L/C etc.

12. Prices (GCC Clause 17)

GCC 17.1—Prices submitted by the vendor shall be considered final and will not be subject to any variation at any stage of bidding and/or during services. Costs related to signing of the contract (stamp duty etc.) between SICHN and Company shall be responsibility of the company.

13. Liquidated Damages (GCC Clause 23)

GCC 23.1—In case deliveries are not completed within the time frame specified in the schedule of requirements / contract award, a Show Cause Notice will be served on the Bidder which will be following by cancellation of the Contract to the extent of non- delivered portion of installments. No supplies will be accepted and the amount of Performance Guarantee / Security to the extent of non-delivered portion of supplies of relevant installments will be forfeited. If the firm fails to supply the whole installments, the entire amount of Performance Guarantee/Security will be forfeited to the Government Account and the firm will be blacklisted at least for two years for future participation in bids:

The liquidated damage shall be 0.1 % per day or part thereof. The maximum amount of liquidated damages shall be 10% of the amount of contract. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the

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contract, the Procuring Agency shall rescind the contract, without prejudice to other courses of action and remedies open to it

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Procuring agency's country.

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 in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

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

17. Notices (GCC Clause 31)

GCC 31.1—procuring agency's address for notice purposes:

Sindh Institute of Child Health and Neonatology (SICHN), Office First Floor, Plot no. 354 & 356 JM, Near People's Secretariat Chowrangi, Jamshed Quarters Karachi.

—Supplier's address for notice purposes:

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SCHEDULE OF REQUIREMENTS

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

S#	Name of Items	SICHN Projects Quantity	Fixed 2% Bid Security	Delivery Timelines	Place of Delivery
1	Blood Shaker	2	10,000	30 to 120 Working Days	Sindh Institute of Child Health & Neonatology (SICHN), Sites
2	OT Light	1	134,000		
3	Plasma Protein Monitor	2	17,000		
4	Platelet Agitator	1	13,000		
5	Tube Stripper	2	3,600		
6	Anesthesia Machine	1	130,000		
7	Baby Incubator	20	150,000		
8	Blood Warmer	4	22,800		
9	Defibrillator	5	137,500		
10	Diathermy Machine	1	39,000		
11	K-Thermia / Patient Cooling-Warming System	6	180,000		
12	Lab Medicine Refrigerator	2	16,480		
13	Mobile Xray Machine With FPD	2	840,000		
14	Neo Puff Machine	6	41,400		
15	OT Table	1	120,000		
16	Patient Monitor	20	229,692		
17	Portable Ultrasound Machine	2	58,000		
18	Pulse oximeter	5	28,500		
19	Refrigerator For Blood Bag PRBC/PCV	2	26,000		
20	Static X-ray Machine with DR	2	860,000		
21	TCB Machine	10	96,000		
22	Tube Sealer	1	8,400		
23	Ultrasound Machine	2	460,000		
24	Vein Finder	6	16,200		
25	Vital Sign Monitor	15	58,500		

1. As and when these supplies are required, the successful bidder/supplier in that particular item would be informed in advance to make necessary arrangements.
2. It would be bidder/supplier's responsibility to complete the delivery of supplies within the stipulated time.

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3. The successful bidder/supplier should complete the delivery within stipulated period from date issuance of the purchase order.
4. The equipment offered must be Brand New of Latest Technology/latest version/generation, without defects or blemish and shall meet the standards, specifications.
5. Quality assurance tools/test equipment availability with local Tenderer for Preventive Maintenance and periodic calibration along with list of test tools with calibration validity be provided by firms before entering in to agreement.
6. Certificate from the sole agent / manufacture that the vendor has fully equipped workshop, along with list of trained personnel/engineers and equipment should be provided with technical bid and it can be physically verified by the technical committee of SICHN or Ministry of Health if needed.
7. The vendor will give three years' warrantee with parts, if any and further two years' free service without parts. And 03 years Warrantee for the availability of spares and engineering backup. However, service charges after warranty with parts will be negotiated before issuance of order.
8. The warranty period will commence from the date of commissioning of the unit as per report of end user and technical person within 12 weeks' period.
9. Firm must provide complete details of their financial standing listing of similar equipment supplied in Pakistan, Bio-Data of Engineers with training certificates/test equipment details of local stock of spare parts for similar equipment and details of office with number of personals.
10. Technical training to Bio-Medical/Equipment engineers from factory trained engineers for equipment procured will be provided by the firm.
11. All equipment to be supplied should be accompanied with three original copies of the operation service/maintenance and schematic diagram and spare part list manual in the English Language.

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12. Supplier will provide clinical applications training to the end user by factory trained clinical expert on SICHN Site for a satisfactory period as per requirement of end user.
13. The tenderer has to quote only one rate for each item as per tender specifications no alternate model will be accepted only first offer will be considered. Hand written tenders or any over writing, cutting, erasing shall be liable to disqualification firm.
14. The bidder shall submit with the bid an undertaking on stamp paper, stating that the equipment to be supplied is brand new and of latest generation free from defects in design material and workmanship will bind himself for availability of spares for a period of 10 years from the date of supply. In case of winding up of his business the supplier shall be bound to make on alternate arrangement of spares and maintenance of equipment. In case of default depreciated cost of equipment will be recoverable from him.
15. Vendor /Supplier will be responsible for pre-requisition installation, free of cost and also responsible for pre-installation work if required.
16. The contractor must be authorized sole agent of the manufacturer. No sub-sole distributor is allowed to participate in the tender.
17. If the supplier fails to give supply and install within the stipulated period, penalty will be imposed @ 0.1 % of the total value of equipment per day subject to a maximum of 10 %.
18. Any major & minor part becoming faulty during warranty period will have to be supplied by the firm at their cost.
19. If it is declared at the later stage that the supplied item(s) were of inferior quality the same will be replaced by the concerned firm at their own risk and cost.
20. The supply should be completed within 120 days of establishment of L/C; otherwise, a penalty of @ 0.1 to 10% per day will be imposed, which will be deducted from their security money. After expiry of delivery period the competent authority have the right to forfeit security money to the government account.
21. All the test tools must have calibration certificate and the same must be validated whenever required. Qualified and fully trained system experienced service support will be available during warranty and post warranty.
22. Preventive Maintenance will be carried out as per manufacturer's recommendations. PPM Schedule to be provided before equipment Installation. All maintenance

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inspections detailed here in above shall be scheduled between 09:00 AM to 3:00 PM-Mon – Sat, excluding Public Holidays.

23. Preventive Maintenance will be performed as per the scheduled mutually agreed upon between the Bidder and the SICHN. This maintenance includes all cleaning, lubrication, testing, alignment and replacement of parts necessary to minimize equipment failures and extend its useful life. Corrective Maintenance includes all actions to diagnose and correct equipment mal functions / image quality.
24. The supply will have to be delivered at the premises of SICHN Children Hospital Korangi no 5 Karachi at the supplier's risk and cost. Any breakage or shortage of stock will be recovered from the supplier.
25. If any firm refuses to deposit the security money his pay order will be forfeited to the Government Account, after depositing the security money, if he fails to supply the required item or provides the substandard quality or refuses to follow the orders, his security money also will be forfeited to the Government Accounts. No excuse will be accepted in case of inferior and substandard quality supplies and it will be replaced forthwith.
26. The Tenderer/ Supplier should submit an under taking that supply should be made available within 120 days after the date of placing the order. The delivery period can be extended by the competent authority for 10 days if reason is genuine. After that penalty of 0.1 per day upto 10% of the total Cost will be imposed, which will be deducted from the security money. However full quantity of the purchase order should be completed within given time, after that their earnest money will be forfeited to government accounts, and they may be black listed by the competent authority.

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Technical Specification and Description

S#	Name of Items	SICHN Projects Quantity	Specifications
1	Blood Shaker	2	Adjustable speed suitable for blood bag applications. **Shaking Motion:** Gentle rocking/orbital or equivalent movement. **Shaking Orbit/Amplitude:** Suitable for uniform and gentle agitation of blood bags. **Timer:** Adjustable timer with continuous operation facility. **Operation:** Timed/continuous. **Control:** Digital display/control for speed, time and operating status. **Platform:** Stable and secure platform/tray suitable for standard blood bags and easy to clean. **Safety:** Appropriate overload, operational and movement safety features shall be provided. **Noise:** Smooth and low-noise operation suitable for blood-bank environment. **Power Supply:** 220–240 V, 50/60 Hz or standard hospital electrical supply. **Power Consumption:** To be stated by the manufacturer. **Overall Dimensions:** Compact bench-top design or equivalent. **Construction:** Durable, corrosion-resistant and easy-to-clean materials. **Accessories:** Complete with standard platform/tray and all accessories required for normal operation **Country of manufacturer:** USA/EU/JAPAN/UK/CHINA or Equivalent Supply of the equipment through any authorized distributor/representative of the original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.

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2	OT Light	1	Light Source: LED technology designed to minimize shadowing and optimize visibility in the operating theater LED Module Replicability: In the event of LED failure, individual LED modules should be replaceable. Electric Field Adjustment: Capability to adjust the light intensity to match surgical needs. Laminar Flow Properties: Designed to support sterile environments by ensuring proper airflow. Housing: Constructed with durable materials, such as aluminum, to manage heat dissipation effectively. Safety Glass: ESG (tempered safety glass) for easy and efficient disinfection. Background Illumination for Endoscopic Procedures: Allows for ideal lighting during minimally invasive procedure Main Light Intensity: Minimum 160,000 lux at 1 meter distance. Satellite Light Intensity: Minimum 160,000 lux at 1 meter distance. Color Temperature: Adjustable, with an operating range between 3800 Kelvin and 4800 Kelvin (with preference for neutral to slightly cool tones). Light Field Diameter (d10 at 1 meter): Should range between 170 mm and 290 mm for both main and satellite lights, adaptable for different surgical site sizes. Working Area (Effective Surgical Area): Main and satellite lights should cover a working area between 670 mm to 1,600 mm. Total irradiance appropriate to ensure optimal visibility without excessive heat, in accordance with IEC standards. LFI Index: Main light should be 13% or higher; satellite light should be 12% or higher. Adequate light-emitting area to ensure shadow-free illumination; minimum as per standard practice Temperature Increase at Head Height: Should be minimal (below 1捞C) to ensure comfort for surgical staff Color Rendering Index (CRI): Minimum 95 Ra for high accuracy in tissue differentiation. Protection Class: Light should meet at least IP52 protection standard (resistant to dust and water splashes). LED Lifetime: Minimum of 50,000 hours of operational lifetime Heat Management: The system should include adequate cooling mechanisms to avoid overheating during long procedures Adjustability: Easily adjustable light intensity and focus for various surgical procedures. Digital control interface (touchscreen or equivalent) for adjusting intensity, color temperature, and focus. Safety Features: Audible and visual alarms for power failure and light malfunction; if gas suspension is present, relevant alarms must be included. Power Supply: Operates on standard hospital power supply (230V, 50Hz), with an optional backup battery that ensures at least 3 hours of operation during power outages. Mounting Options: Designed to be flexible for installation in operating theaters, with options for ceiling mounted setups or wall mounts where applicable. Disinfection and Maintenance: Designed for easy disinfection with accessible components and smooth surface Adjustable Beam Angle: Allows the surgeon to adjust the beam angle to focus on different areas of the operating field.

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			The system may be equipped with an integrated or compatible high-definition video camera and recording system for capturing and storing surgical/procedure images and videos, with suitable connectivity for external display or storage. (Quote optional) **Country Of Origin: USA/EU/Japan/UK or Equivalent** Supply of the equipment through any authorized distributor/representative of the original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 25 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
3	Plasma Protein Monitor	2	Automated or semi-automated analyzer suitable for quantitative determination of Total Protein and Albumin in human serum/plasma samples for routine laboratory use. The system shall provide accurate, reliable and reproducible results with appropriate analytical measurement range and precision. It shall require a low sample volume and provide rapid test processing suitable for routine laboratory workload. The system shall have an easy-to-use digital display/interface, automatic or semi-automatic sample processing, calibration facility, internal quality control functions, reagent/sample identification and result storage. It shall provide appropriate error, alarm and reagent/sample status indications and allow retrieval and printing/export of stored results. The analyzer shall have adequate memory for storage of patient and QC results and shall support data transfer/connectivity where applicable. The system shall be suitable for operation on standard hospital/laboratory power supply and shall include necessary electrical protection. It shall be compact, reliable and suitable for continuous routine laboratory operation with minimum maintenance requirements. **Parameters:** Minimum Total Protein and Albumin; additional relevant plasma protein parameters may be offered.

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			Sample: Suitable for human serum/plasma; minimum sample volume shall be specified by the manufacturer. **Calibration & QC:** Calibration facility with appropriate calibrators and internal quality control functions, including storage and retrieval of QC results. **Performance:** Manufacturer-stated analytical measurement range, precision, accuracy and carryover shall be documented in the technical proposal. **Throughput:** Suitable for the purchaser's routine workload; bidder shall state maximum throughput/tests per hour. **Data Management:** Internal storage of patient and QC results with date/time and sample identification; USB/LAN/RS-232 or equivalent connectivity, where available. **Display/Operation:** Digital display with user-friendly interface and clear indication of test results, system status, errors and alarms. **Reagents & Consumables:** All reagents, calibrators, controls, cuvettes/tips and other consumables required for operation shall be compatible with the quoted system. The bidder shall quote the reagent/consumable pack size, number of tests per pack and **cost** per test separately. **Accessories:** Complete standard accessories required for installation and routine operation, including power cable/adapter, sample accessories and other manufacturer-standard accessories, shall be supplied. **Country of manufacturer:** USA/EU/JAPAN/UK/CHINA or Equivalent Supply of the equipment through any authorized distributor/representative of the original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 5 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry

			of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
4	Platelet Agitator	1	Incubator Shall be compatible and able to place in a 30-50 platelet bags agitator described below Shall be standing model with temperature range is 20-35 degree Celsius, accuracy is 0.25 degree Celsius Shall be using non-CFC refrigerant Should have interior material with bacteria-resistant powder coating Shall be quiet operation Come with LED display panel Come with 7-day circular chart recorder Come with tempered glass door Audible and visual alarm system monitoring temperature, proper door closure and power failure. Come with battery backup for alarm and temperature recording device Come with castors and castor locks Agitator Agitation mode can be reciprocation horizontal agitation to meet the demands of continuous operation. Shall be able to store 50 bags of platelets Shall be rugged, non-corrosive and heavy duty. Shall be quiet operation Motion: side to side with constant speed: 40-80 stroke per minute Come with removable drawers. Bidder shall indicate the number of drawers provided. Come with Internal fan for motor cooling Shall designed to provide with uniform air circulation for platelets bags Come with safety stopper to prevent accidental draw-out Audible and visual alarm system monitoring variation of agitation and power failure **Country of manufacturer:** USA/EU/JAPAN/UK or Equivalent Supply of the equipment through any authorized distributor/representative of the original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 5 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
5	Tube Stripper	2	Shall be manual or automatic design Should be made of high-quality aluminum alloy Should be light weight, sturdy and corrosion resistant Come with self-centering rollers Should be able to have the function of swift and complete stripping of blood bags Suitable for use with commercial blood bags Non-tiring operation Easy handling

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			(designed for right- and left-hand use) Should have Teflon rollers for durability Ergonomic design for good grip and stripping Should have an internal spring system to keep the handles in open position **Country of manufacturer:** USA/EU/JAPAN/UK/CHINA or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 15 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
6	Anesthesia Machine	1	` Floor Mounted machine The anesthesia machine is designed to precisely manage the flow and delivery of anesthetic agents for adult, pediatric, and neonatal cases. It must effectively provide low flow or minimal flow anesthesia, should support low and minimal flow anesthesia with visual feedback of gas utilization. The machine should accommodate three gases: O2, N2O, and Air. Key features must include: Non-interchangeable channel covers. Pipeline and cylinder connections for O2, N2O, and Air. A top energy or electronically powered unit. Leg indicators with cylinder gauges for Oxygen and N2O (one of each) as a backup. A gas outlet and O2 flush control. An additional O2 outlet. Lockable casters. A fiber work surface/station. An absorber bag support arm. A mechanically controlled digital flowmeter for three gases, featuring a colored virtual tube display for precise management and monitoring.

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			An integrated heated respiratory device to control water condensation and humidification. A hole unit measuring 4 to 6 inches (designed specifically for trolley interpretations). A scavenging device, either passive or active. Anesthesia Ventilator The anesthesia ventilator should be equipped with a touchscreen color monitor 15" or larger, with clear visibility from various angles. It must cater to adult, pediatric, and neonatal cases. The ventilator should meet the following essential capabilities: Volume preset time cycled ventilation or volume control. Pressure managed ventilation. Pressure support ventilation (computerized SIMV). Volume controlled ventilation with SIMV capability. Choice of respiratory modes, including standby, volume, automated, and pressure. Optional advanced ventilation modes such as support for cardiac procedures Built-in oxygen sensor using long-life or non-consumable technology. Inverse I:E (inhalation to exhalation) ratio functionality. Gas-specific input connectors (Air or Oxygen according to ISO or ANSI standards). Tidal volume range of 20 to 1400 ml or more across all ventilation modes. A respiratory rate range of 4 to 80 breaths per minute or higher. An output pressure range of 4 to 20 cm H2O or greater. Inspiratory Pressure Limit. Power supply specifications: 220 VAC, 50 Hz. Integrated battery backup providing a minimum of 60 minutes of operation. Alarm systems for low or high FiO2 levels. Alarm for mains power failure. Advance warning for low battery status. Functionality for hypoxic conditions. Visualization of pressure, volume, and flow through loops and curves. Alerts for both high- and low-pressure conditions. The ventilator will include a complete drive hose and power cable. To ensure proper gas delivery, the oxygen supply must be verified during the self-test mode. Capability to transfer data and logbooks to external storage media via a USB port or equivalent for a printable version. The patient ventilation module or breathing system should feature autoclavable components.

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			Note: Annual maintenance kits (which need replacement) will be included during the warranty period, as per the manufacturer's specifications. The warranty for the equipment will cover batteries and flow sensors. VAPORIZER: Two pre-calibrated vaporizers for Isoflurane and Sevoflurane, both compensated for temperature and flow The manufacturer must provide a compatibility certificate for the machine and vaporizers. MONITORING: A compatible multiparameter patient monitor shall be provided as an integral part of the anesthesia workstation for monitoring vital signs, including ECG, NIBP, SpO_2, temperature, $EtCO_2$ and IBP. The monitor shall be fully integrated and compatible with the anesthesia workstation and shall be supplied by the same manufacturer/OEM as the anesthesia workstation to ensure seamless communication, unified operation and compatibility A minimum 15" TFT touchscreen or larger for display Built-in battery backup lasting two hours. ANESTHESIA AGENT MONITOR: Monitoring of anesthetic agents, CO2, O2, and N2O (either as a standalone monitor or integrated within the anesthesia machine) along with consumption data. ANESTHESIA ACCESSORIES: A power outlet with three or four sockets for connecting auxiliary equipment. CO_2 absorber with capacity suitable for adult and pediatric cases and integrated bag/ventilator switch A hinge arm for the breathing circuit. Disposable breathing circuits (Qty#300 for pediatrics, Qty#500 infants). Mounting components and a Y-piece Additional breathing hoses and connectors with one adult, one pediatric, and one infant bellows (only included with bellows-based machines) or a universal bellow. 2 x O2 and 2 x N2O pin index cylinders (Should be provided locally along with test certificate from MONITORING ACCESSORIES: Two NIBP cuffs for adults, infants, and pediatrics (one for each category) Two SpO2 probes for adults, infants, and pediatrics (one for each category) Two temperature probes IBP leads Two ECG leads ECG electrodes EtCO2 sensor or module (Micro stream), $EtCO_2$ sensor or module with low-flow sampling capability suitable for neonates, pediatrics, and adults **Country of manufacturer:** USA/EU/JAPAN/UK or Equivalent Supply of the equipment through any authorized distributor/representative of the

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			original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
7	Baby Incubator	20	Unit shall be **microprocessor-controlled** with digital display and precise temperature regulation Operating range: 20°C-30°C Ambient air flow speed: < 0.3m/s Air mode control, set temperature and air temperature are displayed separately Passive humidification Multiple failure alarm indications Low noise DC motor Air temperature control range: 25.0°C-37.0°C (override mode: 37.1°C-39.0°C, optional) Difference between the indicated air temperature and the real temperature: No greater than 0.8°C Difference between the average air temperature and the control temperature: No greater than 1.0°C Temperature uniformity (mattress horizontally placed): No greater than 0.8°C Temperature uniformity (mattress titled): No greater than 1.0°C Inclination of the bassinet: $\pm$ 12^0 Mattress size: 633mm×342mm Environmental noise in the compartment in incubator mode: Under stable temperature ≤ 45dB(A) Under other conditions ≤ 50dB(A) Failure alarm: power failure alarm, fan motor alarm, sensor alarm, deviation alarm, over-temperature alarm, system alarm. Mounted on lockable castor wheels for easy movement and stability. **Country of manufacturer:** USA/EU/JAPAN/UK/CHINA or Equivalent

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			Supply of the equipment through any authorized distributor/representative of the original manufacturer shall be acceptable, provided that valid authorization of the quoted product is submitted with the bid. Distribution through any officially recognized vendor shall be considered acceptable, subject to full compliance with the required technical specifications including required installations. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 25 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.

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8	BLOOD WARMER	4	Medical-grade blood and fluid warming system suitable for warming blood, blood components and compatible IV fluids prior to administration to patients, including neonatal and pediatric patients. Shall provide controlled and uniform warming with adjustable temperature and digital temperature display, with operating temperature suitable for clinical use, typically up to approximately 37°C. The system shall have rapid warming capability, temperature monitoring and audible/visual alarms for over-temperature, under-temperature, sensor fault and system malfunction. It shall incorporate an automatic safety cut-off to prevent overheating and shall maintain the set temperature within the specified limits. The warming system shall be suitable for continuous operation and compatible with standard blood administration/IV sets as applicable. It shall be easy to clean, safe to operate and suitable for bedside use. The unit shall operate on AC mains and shall have rechargeable battery backup where applicable. It shall be supplied complete with all standard accessories required for operation, including temperature sensors, holders/mounting accessories and compatible warming accessories as applicable. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 15 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines.
			Documentation: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
9	Defibrillator	5	Biphasic Transthoracic defibrillator Display: 6” or more LCD color display Energy range: should be adjustable up to 200 Joules Energy Charge time: should be less than 10 sec Display of HR, ECG through paddles and lead I,II and III patient cable Recorder: Built in recorder for printing of full summary (10 rolls must be provided) Alarms: Audible and Visible High and low Heart rate Low battery Battery: Built in rechargeable battery for maximum 100 shocks at max energy External paddles: Adult & Paeds AED facility with disposable pad shelf life should be 5 years or more, disposable pad must be delivered 10 pairs

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			Real time CPR feedback on defibrillator display (chest compression, depth, release bar) should be available Power Source: 230Vac 56/60Hz Complete with Standard accessories, including reusable type cables Country of manufacturer: USA/EU/JAPAN/UK or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 25 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
10	Diathermy Machine	1	Microprocessor based electrosurgical unit for normal and under water cutting usages with pulsed mode Automatic self-test function. Operation in radio frequency range of 350-500KHz Controls for cutting, coagulation, spray and blends. Two Monopolar and one bipolar output. Monopolar cutting power 350 watts. Bipolar cutting power 120 watts. Bipolar coagulation power 120 Watts. Monopolar coagulation power 100Watts. Spray coagulation mode. Different gradations of blending of cutting and coagulation power. Values of cutting and coagulation power should be controlled Display 5” or equivalent Audio and visual alarms. Operating Power: 220V, 50 Hz. Accessories: Monopolar handle with cord. Bipolar forceps with cord. Attachment for monopolar coagulation.

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			Knife electrode. Surgical electrode, ball-shaped. Reusable Rubber patient plate. Double Paddle foot switch, explosion proof. Trolley (should be of same manufacturer) Reusable Pads 10pcs Disposable Pad 500pcs Bipolar forceps with lead (Qty# 3pcs) Monopolar leads (Qty# 100pcs) **Country of manufacturer**: USA/EU/JAPAN/UK or Equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support**: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 20 **different institutes/hospitals in Pakistan**. Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
11	K-Thermia / Patient Cooling-Warming System	6	Suitable for controlled cooling, warming, temperature maintenance and rewarming of neonatal, infant and pediatric patients, including therapeutic temperature management for hypoxic-ischemic encephalopathy (HIE). **Temperature Management:** Shall provide controlled cooling and warming with provision for gradual or rapid temperature adjustment as clinically required. **Patient Temperature Control:** Electronic/microprocessor-based temperature control with adjustable patient temperature settings suitable for neonatal to pediatric use. **Water/Fluid Temperature Range:** Approximately **4°C to 40°C or wider**, or as appropriate for the intended clinical application. **Patient Temperature Range:** Suitable for controlled temperature management of neonatal to pediatric patients. **Temperature Stability:** Shall maintain stable patient temperature with automatic regulation and gradient/ramping or equivalent function to minimize temperature fluctuations. **Circulation System:** Integrated fluid circulation system providing uniform heat transfer through compatible patient blankets/pads.

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			Cooling & Heating: Integrated cooling and heating capability or equivalent technology to achieve and maintain the required temperature. **Reservoir:** Integrated reservoir of adequate capacity for continuous operation with secure, quick-disconnect and error-resistant connections. **Flow Rate:** Adequate and controlled fluid flow to ensure effective and uniform temperature management; bidder shall state the flow rate. **Monitoring & Alarms:** Continuous monitoring of patient/system temperature with audible and visual alarms for high/low temperature, temperature deviation, system malfunction, low fluid level/flow interruption and power failure, as applicable. **Safety:** Automatic safety protection against over-temperature, under-temperature and system malfunction. **Display:** Digital display showing patient/system temperature, set temperature and relevant operating status/alarms. **Operation:** Suitable for continuous 24/7 NICU and pediatric use. **Power Supply:** 220–240 V, 50/60 Hz or standard hospital electrical supply. **Construction:** Durable, reliable and easy-to-clean construction suitable for NICU and pediatric use. **Accessories:** Compatible **neonatal and pediatric reusable cooling/warming blankets or pads**, connecting hoses/tubing and all standard accessories required for complete operation. **Additional Accessories:** Other patient-size blankets/pads may be offered where compatible with the system. Disposable mattress (Qty# 50) Reusable (Qty# 5) Country of manufacturer: USA/EU/JAPAN/UK or Equivalent Warranty: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. Technical support: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 20 **different institutes/hospitals in Pakistan**. Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. Documentation: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
12	Lab Medicine Refrigerator	2	Storage Capacity: 200 L or more Display: Digital display Set Temperature: +4 °C Temperature Range: 2 ~ 8 °C Alarms: High/low, temperature, Power failure, Thermostat failure, Door open, Ambient temperature range: 10 ~ 32 °C Cooling Technology: Forced air cooling system Internal Dimension (H x W x D): 1544 x 560 x 707 mm Approx Power supply: 220Vac-240Vac 50Hz Noise level: <45 dB Material outside: powder coated Defrosting technique: Auto defrosting Hold over time: 1 h (+5

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			°C to 10 C°) Validation Gas refilling or other parts should be covered in warranty period Country of manufacturer: USA/EU/JAPAN/UK/China **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 25 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
13	Mobile Xray Machine With FPD	2	Film less Technique for imaging in ICU and Wards and availability of images at multiple sites. Generator: Out Power 25KW or Better KV Range 40-125 kV or Better Exposure time 1 msec to 2 msec mAs range 0.1 to 300 mAs or Better X-Ray Tube: Nominal Voltage 125 kV Focal Spot (Dual) 0.6 or less /1.2 or better mm Anode Heat Content 200 kHU or better Collimator & Detector: Manual Collimator Detector 10*12” & 14*17 (both sizes with each unit) Pixel Size 130 µm or better Cycle Time 7 sec DQE 55 – 60% Scintillator CsI Display Screen 15” Display Core i7, 1TB SSD, 16GB Ram Battery Operated: Battery Timing upto 5 hours. Battery Charging Time 90 to 120 minutes Max from Empty to full Communication Wireless System should be operatable on both AC and Batteries. Accessories: Lead Apron 0.5mm. with hanger Qty:2 Thyroid Shield 0.5mm pb. Qty:2

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			Lead Goggles and Gonadal Shield. Qty 2 OSL Dosimeter (Landauer or equivalent) Qty 2 Accessories: Complete with all standard accessories. Country of manufacturer: USA/EU/JAPAN/UK or equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 20 **different institutes/hospitals in Pakistan**. Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
14	Neo Puff Machine	6	Pressure Gauge Range: –2 to 10 kPa (–20 to 100 cmH_2O) PIP (Peak Inspiratory Pressure): 5 LPM: 2–27 cmH_2O 8 LPM: 4–36 cmH_2O 10 LPM: 6–42 cmH_2O 15 LPM: 12–57 cmH_2O CPAP/PEEP (Continuous Positive Airway Pressure / Positive End-Expiratory Pressure): 5 LPM: 0.3–6 cmH_2O 8 LPM: 0.8–14 cmH_2O 10 LPM: 1–17 cmH_2O 15 LPM: 2.5–23 cmH_2O Noise Level: ≤ 50 dB(A) Gas Source Requirement: 0.3–0.4 MPa Recommended Patient Weight: Up to 10 kg Accessories Included Test lung Set of silicone round masks Breathing circuits Gas inlet tube **Country of manufacturer**: USA/EU/JAPAN/UK or equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less.

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15	OT Table	1	Electro-Hydraulic Operating Table – Dual Purpose (General Surgery & Gynecology) Weight-bearing capacity: Minimum 150 kg static load Table Top length 1800mm or more Table Top width 500mm or more Table Top Height Adjustment: Approximately 600–1200 mm or greater Features: Height Adjustment Head Section Adjustment: Up to 90° or equivalent range. Trendelenburg/Reverse Trendelenburg: Minimum ±25° Lateral Tilt: Minimum ±25° Back Section Adjustment: Minimum 70° upward and 20° downward, or equivalent. Leg Section Adjustment: Upward/downward adjustment with a range equivalent to the specified clinical requirements. One-button automatic return to zero/neutral position. Casters Electro-hydraulic with override system C-arm Compatible X-ray cassette/detector holder (carrier) (optional) Rechargeable battery operation with minimum 2 hours of backup under normal operating conditions. External battery charger (optional) Hand control unit Built-in/secondary control panel for operation of essential table movements in case of hand-control failure. Emergency stop/safety function and automatic return-to-neutral/zero function. Control system shall incorporate an accidental activation prevention/safety feature to prevent unintended table movement. Personnel Electro-hydraulic drive system providing smooth, controlled and low-noise movement

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			Manual emergency override shall be provided to enable essential table positioning in the event of electrical, battery or system failure. Accessories; Arm Rest Fastening Strap Anesthesia Screen Adjustable leg rest pads/ leg support pair Attachment Clamp Body restraint strap Trolley Lithotomy pole Gynecology adapter All accessories required Qty:02 with the table Country of manufacturer: USA/EU/JAPAN/UK/CHINA or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 25 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
16	Patient Monitor	20	Application range: Adult/Pediatrics/Neonatal/Surgery/Operating Room/ICU/CCU Display: 12' LED screen Power source: 100Vac ~ 240Vac %0/60Hz Built in rechargeable DC battery Battery: 4000mA 11.1V lithium battery 5hr operating after full charge ECG: 5 Leads (Adult/ Paeds/neonatal Respiration: Method: RA-LL impedance Resp rate: Adult 0 ~ 120 BrPM Neonatal/Pediatric 0 ~ 150 BrPM

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			Resolution 1 BrPM Precision ±2 BrPM NIBP: Method: Oscillo metric principle Numeric: Systolic, diastolic and mean pressure Range: Adult: 10~270 mmHg, Child: 10~235 mmHg, Neonate: 10~135 mmHg Selectable auto inflates interval setting Rising cuff/ continuous pressure display Pulse Oximetry: Range: 0 ~ 100% Resolution: 1% Precision: 70% ~ 100% ±2 digit Pulse Rate: Range: 20 ~ 300 bpm Resolution: 1bpm Precision: ±3bpm EtCO2: (optional must be quoted) Micro stream Measurement range: 0 ~ 99 mmHg Precision: 0 ~ 99mmHg ±15 mmHg Resolution: 1mmHg Alarms: High and Low (settable) on all Parameters Visual and Audible indication of alarm Accessories: (optional must be quoted) CO2 Module IBP Module Hanging bracket 3 Qty of SPO2 Probes (Peads) Additional required with each patient monitor Country of manufacturer: USA/EU/JAPAN/UK/China/Turkey or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 20 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment

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			Manufacturer and Certificate of Origin.
17	Portable Ultrasound Machine	2	The system shall be suitable for adult, pediatric and neonatal applications, including neonatal cardiac, cranial, abdominal, vascular and general ultrasound examinations. High-end portable/laptop-style or compact mobile digital ultrasound system with a minimum 15-inch high-resolution LED/LCD colour monitor and adjustable/tilting monitor with suitable viewing angle. The system shall have a minimum 3 active transducer/probe ports or equivalent connectivity and minimum 1 TB SSD or equivalent internal storage. It shall support B-Mode, M-Mode, PW Doppler, Color Doppler, Power Doppler, Color M-Mode, Duplex and Triplex Doppler and advanced imaging technologies including tissue harmonic imaging, spatial compound imaging, speckle reduction, high-resolution imaging, sensitive flow imaging, tissue Doppler imaging, elastography, panoramic/extended field-of-view imaging, contrast-enhanced ultrasound imaging where applicable, anatomical M-Mode, 3D/4D imaging and Doppler visualization. The system shall provide IMT measurement, vascular measurement, quantitative image analysis, high-resolution zoom, raw data acquisition and post-processing, multi-modality image comparison, 3D volume acquisition and analysis, adequate cine memory, high frame-rate performance, wide dynamic range and maximum imaging depth of at least 40 cm, depending on transducer and application. It shall include HDMI and USB 3.0 or higher connectivity, built-in Wi-Fi/wireless communication, rechargeable battery backup providing at least 1 hour of continuous scanning or equivalent manufacturer-rated performance, rapid system start-up, patient information management, image archiving, DICOM connectivity, high-speed wired/wireless data transfer, user guidance/tutorial function, needle visualization/guidance, and an integrated or compatible keyboard/control interface. The system shall provide appropriate cybersecurity and system security features, automatic image optimization, and AI-assisted scanning, measurements, calculations and/or image optimization, where available. It shall support OB/GYN applications, including fetal biometry, standard obstetric measurements, 3D/4D fetal surface visualization, obstetric analysis, bladder volume measurement, liver assessment/quantification and lesion analysis, where applicable. The system shall support automatic Color/PW Doppler optimization and multiple/dual 2D image and volume display. The system shall be supplied with at least one convex-array transducer with a suitable broadband frequency range of approximately 1–6 MHz, one linear-array transducer with a suitable broadband frequency range of approximately 3–13 MHz, and one pediatric/neonatal phased-array cardiac transducer with a suitable broadband frequency range of approximately 1.5–4.5 MHz, or equivalent suitable frequency ranges for the intended clinical applications. **Country of manufacturer**: USA/EU/JAPAN or Equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support**: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 different institutes/hospitals in Pakistan Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines.

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			Documentation: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
18	Pulse Oximeter	5	Suitable for continuous SpO_2 and pulse rate monitoring from neonatal to adult patients, using Nellcor SpO_2 technology, with SpO_2 range of 70–100% or wider and accuracy of ≤±2%**,** pulse rate range of at least 30–250 bpm, low-perfusion performance, plethysmographic waveform, adjustable audible/visual alarms, and appropriate sensors for neonatal, pediatric and adult use. AC mains and rechargeable battery operation with minimum 2 hours battery backup. Complete standard accessories, including neonatal, pediatric and adult sensors**,** shall be provided. **Country of manufacturer**: USA/EU/JAPAN or Equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support**: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan** Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation**: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
19	Refrigerator For Blood Bag PRCB/ PCV	2	Medical-grade blood bank refrigerator specifically designed for storage of whole blood and packed red blood cells (PRBC/PCV). Capacity shall be 200-**300 liters**, with suitable capacity for standard blood bags. Temperature range shall be **2°C to 6°C,** with microprocessor-based temperature control and digital temperature display. Shall provide uniform temperature distribution throughout the storage chamber through forced-air circulation or equivalent technology. Continuous temperature monitoring with audible and visual alarms for high/low temperature, door open, power failure and temperature deviation shall be provided. The unit shall have minimum/maximum temperature recording and/or an integrated temperature data-logging system. It shall have an insulated, lockable door, internal LED illumination and adjustable shelves/racks specifically designed to safely accommodate blood bags without obstruction of air circulation. Automatic defrosting shall be provided without adversely

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			affecting the required storage temperature. The refrigerator shall include a rechargeable battery backup for the temperature monitoring and alarm system and shall retain alarm/temperature data during power interruption. **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 15 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
20	Static X-ray Machine with DR	2	X-Ray Generator • High Frequency: Up to 20 KHz with (AEC) Automatic Exposure control • Power: 18-25 KW, mA Range: 250 mA RADIOGRAPHY • kV Range: 50-125 kV • mA Range: 10-250 mA COLLIMATION • Manual and automatic rectangular field's collimator with hardening beam filters. The insertion of the filters is controllable by the operator and programmable within the anatomical program. • Power LEDs for simulating the irradiated field X-Ray Tube • Focal Spot: 1.2 mm • Anode Heat Capacity: 140 KHU • Target Angle: 12.5° • Target Diameter: 70 mm Floor Mounted Tube Stand • Floor mounted tube assembly support with auto tracking • Tube Stand: 200cm or better • System should have SID Range :120 cm or better • have Vertical Travel: 148 cm or better • System have Longitudinal Travel 100cm or better • System have Tube Rotation Range +180° -150° or better • System have Tube Arm support • System should have DAP lionization & Display. Patient Bucky

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			• Table with built in bucky. • Anti-scattered Grid should be available. Vertical Stand for FPD Flat Panel Detector aSi/CsI Scintillator (Qty 01each) • System should have Flat panel detector with active image size of 14x17 & 10*12 • Pixel Size: 140 µm with preview time less than 2 sec • DQE: 65% • Acquisition Bits: 16 bits. • Matrix Size: Approx. 3072 X 3072 Digital Radiographic System • System should have 20"color screen monitor • Intel Core i7 with 16GB RAM • SSD 1 TB • Image preview of less than 2 sec • Imaging system should capable of patient and study administration. • Exposure and post processing. • Automated long-length image stitching software should be available for all DICOM Format Vertical, Horizontal. • Image documentation, archiving, display of image markers, organ program, multiple images, multiple study selection/merging and configuration. • Digital compensation filters (Sharp Edges & Smooth Edges) to classify soft tissue which mention bone detail and availability. • Image processing functions such as rotate, mirror, rotate, zoom and window insert common line. • Reduced noise with the multi-scale procedures for image post-processing. (ATH Automatic Tissue Harmonization) • DICOM functions print/store/send/MWM/MPPS with license. Complete System with All Standard Accessories Compatible online UPS for operator console and Printer with minimum 15 min backup. Compatible DB will be required and to be arranged by the bidder. Lead Apron + Thyroid + Gonadal 0.5mm Pb equivalent- 2 Nos. Stand for lead aprons All software backup, service passwords, service manuals must be provided. Room Renovation including Flooring Tile/Vinyl and false ceiling with lighting. Lead Shielding as per PNRA recommendation covered by laminated sheets on walls. Lead Door Operator ‘s shield with lead glass 2x2 feet for Xray technician Site Preparation and supporting mandatory utilities/electrical work also Main Power cable as per the equipment Requirement, Earthing/ground less than 1ohm falls under the domain of vendor scope of work as per PNRA regulations/ as per standard facilities requirements. **Country of manufacturer**: USA/EU/JAPAN or Equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer

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			letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support**: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan** Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation**: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
21	TCB Machine	10	Non-invasive device suitable for screening and monitoring bilirubin levels in neonates and infants by transcutaneous measurement. Shall provide rapid measurement without requiring blood sampling and shall be suitable for use on term and preterm neonates. The device shall have a suitable measurement range for neonatal bilirubin levels, high measurement accuracy and repeatability, with digital display of results. It shall provide measurement in appropriate bilirubin units (mg/dL and/or µmol/L) and allow storage/retrieval of patient results where applicable. The device shall have simple one-hand operation, automatic calibration/self-check or equivalent function, low measurement time and audible/visual indication of measurement or error conditions. It shall be supplied with a rechargeable battery and charger and shall be suitable for continuous routine NICU/neonatal use **Country of manufacturer**: USA/EU/JAPAN or Equivalent **Warranty**: 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support**: Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 5 **different institutes/hospitals in Pakistan** Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation**: Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.

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22	Tube Sealer	1	Shall be a tabletop tube sealer Shall perform 20 - 30 sealings per minute with 1-2 second sealing time Should be able to seal all common sizes of blood bag tubes Shall be safe sealing procedure which makes approximately 3mm wide seal with perforation Shall have feature (e.g. splash guard), to provide protection against blood splashes. Bidder to specify the feature in his proposal. Shall have feature(s) to allow for easy access to clean and disinfect parts that comes in contact with the blood bag tubes during the sealing process. Come with indicator for ready and sealed Shall be able to perform sealing manually or automatically when tubing detected through sensor Shall have safety mechanism to ensure sealing unit does not cause blood tube leakage during/upon sealing process. **Country of manufacturer**: USA/EU/JAPAN or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
23	Ultrasound Machine	2	The Digital Color Doppler Ultrasound Machine shall be a high-performance system equipped with advanced 2D, M-Mode, and Doppler capabilities including Pulse Wave, High Pulse Repetition Frequency, and Color Flow Imaging, providing excellent Doppler signal quality and high-resolution imaging. The system must incorporate a fully digital beam former with a processing capacity of at least 3,000,000 channels or more, ensuring superior image performance. It should be upgradeable to advanced clinical applications such as Shear Wave Elastography and Fat Liver Assessment. The unit shall be supplied with a minimum 21-inch LED color monitor with Full HD resolution (1920 × 1080 pixels) along with a touch screen control panel of at least 12 inches or better. It must include four active transducer connectors, built-in SSD storage with at least 1 TB capacity, LAN connectivity, and at least two USB ports. The system should be fully DICOM compatible and include a foot-switch for hands-free operation. A comprehensive measurement package should be provided, covering parameters such as distance, circumference, area, time depth, angle, velocity, frequency, heart rate, and

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			volume. Standard clinical applications including abdominal, obstetrical, gynecological, small parts, vascular, Endo cavitary, and cardiac must be supported. All measurement software should be included as standard. In B-Mode, the system shall provide a minimum viewing depth of 45 cm or more in both black-and-white and color modes. It should offer high-frame-rate B-mode imaging of at least 2000 or better frames per second or equivalent advanced imaging technology, along with real-time and freeze image magnification of at least 10 times. For M-Mode, the system must support magnification of 2X or more, adjustable sweep speeds (slow, medium, and fast), and display in color. In Color Doppler Mode, the system must allow continuous steering of Pulse-Wave Doppler during real-time color flow imaging and integration of 2D images with color and Pulse-Wave Doppler. It should feature a Windows-based operating system with programmable control panel keys, tissue harmonic imaging (4THI or higher), a frequency range of 1–22 MHz or higher, and power Doppler functionality. Advanced microvascular or slow-flow imaging technology (or equivalent) must also be available. The system should support Triplex mode for simultaneous display of Color, B/M, and Doppler imaging with a system dynamic range of 300 dB or higher. The machine must be supplied with three standard probes: a 1.5–6 MHz multi-frequency single crystal convex probe compatible with B/M/CDI/PW/Strain and Shareware elastography; a 4–18 MHz multi-frequency matrix linear probe or HF Linear probe for musculoskeletal and vascular applications; and a 2–8 MHz pediatric cardiac probe with CW Doppler option for cardiac, transcranial Doppler, and neonatal head examinations. Additional features should include Auto IMT, Auto NT, and needle enhancement technology for improved visualization. The system should also support optional 3D/4D imaging software, panoramic imaging with measurement capability, speckle and noise reduction through advanced imaging software, frequency compounding technology, low-flow vascular imaging modes, trapezoidal and virtual convex imaging with linear probes, and full-focus for auto Tissue Specific Optimization imaging capability with all probes. Doppler functionality should include Pulse-Wave Doppler with measurable velocity range, HPRF Doppler for high-velocity measurements, and one-touch spectrum adjustment for optimal image quality. Image optimization tools such as tissue harmonic imaging (without contrast), automatic image optimization or quick scan, automatic gain and STC adjustments, Doppler field of view enlargement without loss of resolution, and automatic spectrum adjustments must be provided. The system should operate on a power supply of 220–240 V, 50–60 Hz. A 3D/4D probe must be quoted as optional but mandatory to include in the bid. All accessories required for complete operation should be supplied with the machine, and any optional items not quoted will be considered free of cost. In addition, the unit must be supplied with a UPS and a thermal printer. System should be operatable on both AC and Batteries. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Country of manufacturer**: USA/EU/JAPAN/UK or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on

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			manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 10 **different institutes/hospitals in Pakistan**. Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
24	Vein Finder	6	Non-invasive vein visualization device suitable for locating and identifying superficial veins in neonatal, pediatric and adult patients, particularly for difficult venous access. Shall provide real-time visualization of veins without requiring ionizing radiation and shall be suitable for use in NICU and clinical settings. The device shall provide clear visualization of superficial veins at an appropriate depth, with adjustable visualization/intensity settings where applicable. It shall be lightweight, portable and suitable for handheld or bedside operation. Shall have a digital display/visualization system with simple and user-friendly controls and shall allow rapid assessment of the target vein. Rechargeable battery operation with suitable battery backup shall be provided, along with AC charging facility. The device shall be easy to clean and suitable for routine clinical use. It shall be supplied complete with charger/power adapter, mounting or holding accessories where applicable **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 15 **different institutes/hospitals in Pakistan**. Demo/physical inspection may be requested by technical team. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.
			Operation Mode: Manual, automatic, Continual Display: Large display Alarm: Audible & Visual

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25	Vital Sign Monitor	15	Patient Type display: Pediatric & Neonatal Standard Parameter: NIBP, SPO2, PR, TEMP NIBP: Measuring unit: mmHg/KPa (selectable) Systolic, diastolic, MAP and Pulse Measurement range: Pediatric: SYS: 40 – 200 mmHg DIA: 10 – 170 mmHg Neonatal: SYS: 40 – 130 mmHg DIA: 10 – 100 mmHg Resolution: 1 mmHg Accuracy: ± 3 mmHg SPO2: Nellcor Technology Measurement range: 0 – 100% Resolution: 1% Accuracy: 70% – 100% ±2% Pulse rate: 20 – 250 bpm Resolution: 1 bpm Accuracy: ± 2bpm Temperature: Measurement range: 25 - 45°C Accuracy: ± 0.3 °C Power Supply: 100 – 240 Vac 50/60Hz Battery: Removeable & rechargeable with up to 3Hrs use between recharges Portable trolley with 4 dual wheeled casters with functional brake in 4 wheels **Country of manufacturer:** USA/EU/JAPAN/UK or Equivalent **Warranty:** 03 Years comprehensive warranty including service, spare parts, on manufactures letter head from date of installation with 98% uptime (on manufacturer letter head), comprehensive annual maintenance contract with 98% uptime from 4th to 10th year must be 7% or less. **Technical support:** Must have trained engineer, with all spare parts and tools as per manufacturer recommendation in Sindh. The offered brand with similar or better model must have installations in at least 20 **different institutes/hospitals in Pakistan** Demo/physical inspection is mandatory. Must train End user and Biomedical Engineer as per manufacturer guidelines. **Documentation:** Operational, installation, maintenance, service, spare parts manuals, PPM checklist, software and system backup in soft and physical copy to be provided before installation. Prices of all consumables, accessories and optional software/ hardware must be quoted. **Standards and Certification**: ISO 13485, 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare) for specific quoted model. Original Equipment Manufacturer and Certificate of Origin.

Technical qualified bidder has to submit demo sample for evaluation and will be informed in advance to make the necessary arrangement for submission of demo

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sample If a company/firm fails to submit a demo sample of quoted items despite being technically qualified, the supplier will be considered as non-responsive.

All Bidders Are Required to Submit Their Bid for Any as Per Prescribed Form ". Price Schedule" Annexure -B & " Annexure -C (Mandatory)

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Sample Forms

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Bid Form (Annexure-A)

Date: _____
IFB No: _____

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
_____	_____	
_____	_____	
_____	_____	

SICHN, KARACHI

(if none, state “none”)

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

Dated this _____ day of _____ 26_____.

_____ _____

[signature] *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of _____

SICHN, KARACHI

Price Schedule (Form)

(Annexure-B)

PRICE SCHEDULE IN PAK RUPEES
Delivered Duty Paid (DDP BASIS)

Name of Bidder _____. IFB Number _____. Page of ___.

Financial Proposal of Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I will be submitted as per mentioned below format.

1	2	3	4	5	6	7	8
S.no	Detailed Specification of Goods	Model / Cat No.	Country of origin	Name of Manufacturer	Qty	Unit price Pak rupee (Including all applicable Taxes, installation and technical support charges) DDP Basis	Total Amount Pak rupee (Including all applicable Taxes, installation and technical support charges) DDP Basis
Total Amount in Pak Rs. on DDP Basis							

Note: The Bidder has to quote their bid for any individual or all items with complete installation and technical support charges

Name of Company: _____

Authorized Signature with Sealed: _____

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

SICHN, KARACHI

The bidder is required to submit quotes in DDP, CNF, C&F, and CPT formats in their financial proposal. The Procuring Agency reserves the right to evaluate each bid based on any of these terms (DDP, CNF, C&F, or CPT) during the financial assessment and may award the contract accordingly.

SICHN, KARACHI

Price Schedule (Form)

(Annexure-C)

PRICE SCHEDULE IN PAK RUPEES
(CNF/ C&F / CPT - KARACHI BASIS)

Name of Bidder _____. IFB Number _____. Page of ___.

Financial Proposal of Procurement of Plant, Machinery & Equipment for SICHN Sites Phase-I items will be submitted as per mentioned below format.

1	2	3	4	5	6	7	8	9	10	11
S.no	Detailed Specification of Goods	Model / Cat No.	Country of origin	Year of Manufacturing	Name of Manufacturer	Port of Shipment	Qty	Currency	Per Unit price Foreign Currency	Total Price Foreign Currency
Total Amount in Foreign Currency										

Note: The Bidder has to quote their bid for any individual or all items with complete installation and technical support charges

Name of Company: _____

Authorized Signature with Sealed: _____

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

The bidder is required to submit quotes in DDP, CNF, C&F, and CPT formats in their financial proposal. The Procuring Agency reserves the right to evaluate each bid

SICHN, KARACHI

based on any of these terms (DDP, CNF, C&F, or CPT) during the financial assessment and may award the contract accordingly.

SICHN, KARACHI

Contract Form

(Annexure-D)

THIS AGREEMENT made the ____ day of _____ 2026 between **Sindh Institute of Child and Health Neonatology (SICHN), Government of Sindh of Pakistan** (hereinafter called "the Procuring agency") of the one part and **M/S. (Name of Supplier)** (hereinafter called "the Supplier") of the other part. Following items were agreed upon by both parties:

Item No.	Description	Quoted Rate	Quantity Ordered	Total Value in Figure
Grand Total to Rs/Foreign Currency				**Rs./FC /-**

WHEREAS the Procuring agency invited bids for provision of goods at Sindh Institute of Child and Health Neonatology (SICHN), Government of Sindh has accepted a bid of the supplier **M/s (Name of Bidder)** for the **(Name of Tender)** for the supply of those goods in the sum of **Rs. (Awarded Amount) (Rupees in Words Only)** (Hereinafter called "the contract price")

The supplier 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 or any administrative subdivision or agency there of any other entity owned or controlled by it (GOS) through any corrupt business practice.

Without limiting the generality of the foregoing, the supplier represents and warrants that is has fully declared the brokerage, commission, fees etc. paid or payable to any one 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, include its affiliate, agent, associate broker, consultant, director, 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 the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GOS, except that which has been expressly declared pursuant hereto.

The Supplier certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of related to the transaction with GOS and has not

SICHN, KARACHI

taken any action or will not take any action to circumvent the above declaration, representation or warranty.

The Supplier 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 right and remedies available to GOS under any law, contract or other instruments, be avoidable at the GOS.
Notwithstanding any right and remedies exercised by GOS in this regard, the seller agrees to indemnify GOS for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GOS in an amount equipment to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by the seller as aforesaid for the purpose of obtaining or including the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form GOS.

The supply will have to be delivered at the premises at the premises of SICHN at the supplier's risk and cost. Any breakage or shortage of stock will be recovered from the supplier. We also hereby categorically confirm that the stores offered by us are exactly to the particulars and specification as laid down in your tender enquiry & purchase order. Certified that the process quoted to this institute against tender are not more than the prices charged from any other purchasing agencies in the country and in case of any discrepancy, the seller hereby undertakes to refund the price charged in excess. Supplier guarantees that the said equipment shall be brand new of latest technology without defects out or blemish and shall meet the standard and specifications stated in their offer.

The supplier will provide warranty services as per the terms and condition such as first three years' warranty with parts if any and further two years' free services without parts and 03 years' warrantee for the availability of spares and Engineering backup.

The supply should be completed within the time period of 120 days for market available equipment's/items and the delivery period can be extended by the competent authority for 10 days if reason is genuine. to be imported via customs should be termed as 120 days for the supply after the issuance of purchase order otherwise a penalty of @ 0.1% of total value of equipment per day will be imposed and subject to a maximum to 10%, which will be deducted from their earnest/ security money. After expiry of delivery period the competent authority have the right to forfeit earnest/ security money to the government account. In case of non-supply of store against the purchase order by the seller their earnest/ security

SICHN, KARACHI

money will be forfeited. Earnest/ security money can be used for realizing penalty/ fines or compensation of cost in case of non-supply. The security money will be refunded after expiry of warranty period. The warranty will commerce from handing over, satisfactory installation of the equipment. Supplier guarantees availability pf spare parts of the equipment manufactured by them for a period of at least 05 years from the date of purchase, Service Reports for all Maintenance Activities to be signed by end user and Bio-Medical Engineering representative and provided to SICHN Bio-Medical Engineer on as and when basis. An annual uptime of 95% will be considered as acceptable level of performance. All system servicing shall be performance by qualified engineers.

Qualified and fully trained system experienced service support will be available from principal as a backup. Primary backup shall be provided from seller's Karachi Office. All maintenance inspection detailed here in above shall be scheduled between 09:00 A.M to 04:00 P.M hours, Mon – Sat, excluding public holidays. This maintenance includes all clearing, lubrication, testing, alignment and replacement of parts necessary to minimize equipment failures and extend its useful life. The seller will be bound to maintain list of all test equipment/ spares that will be stocked. In case of winding tip of his business the supplier shall be bound to make on alternate arrangement of spares and maintenance of equipment. In case of default depreciated cost of equipment will be recoverable from him.

Vendor / Supplier will be responsible for pre-requisition installation, free of cost and also responsible for pre-installation work if required. Any major & minor part becoming faulty during warranty period will to be supplied by the firm at their cost. If it is declared at the later stage that the supplied item(s) were of inferior quality the same will be replaced by the concerned firm at their own risk and cost.

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, Procured by **(EXECUTIVE DIRECTOR)** Sindh Institute of Child Health and Neonatology (SICHN), Government of Sindh	Signed, sealed, delivered by **(Senior Designation)** (Name of Supplier firm/organization)

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Performance Security Form

(Annexure-E)

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 _____ 26_____ 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 _____26_____.

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

SICHN, KARACHI

Bank Guarantee for Advance Payment

(Annexure-F)

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]

SICHN, KARACHI

Manufacturer's Authorization Form

(Annexure-G)

[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.

SICHN, KARACHI

INTEGRITY PACT

FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN AS PER SPPRA AMENDMENT 0F 2019, RULE 89 CONTRACTS WORTH RS. 0.1 MILLION OR MORE

(Annexure-H)

Contract No: Dated:
Contract Value:
Contract Title:

Name of Supplier/Contactor/Consultant Here by 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 GoS through any corrupt business practice.

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

Name of Supplier/Contactor/Consultant certifies 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 GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

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

Notwithstanding any rights and remedies exercised by GoS in this regard, **Name of Supplier/Contactor/Consultant** agrees to indemnify GoS for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoS in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] 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 GoS.

For and on behalf of the Buyer (SICHN)

SICHN, KARACHI

For and on behalf of the Seller/Supplier (Name of Bidder)

(Annexure-I)

HUMAN RESOURCE INCLUDING DETAIL OF TECHNICAL TEAM

S. #	Name	Designation	Posted Location	Date of Joining	Education n	Trainings

Note: Supporting Documents must be provided for each employee.

1.CEO/Proprietor/Managing Director
Name:_
Email Address:_
Cell Phone:____

2.Director/General Manager Services
Name:_
Email Address:_
Cell Phone:____

3.Director/General Manager Sales
Name:_____
Email Address:_
Cell Phone:____

4.Technical Focal Person for this Project
Name:_
Email Address:_
Cell Phone:____

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(Annexure-J)
SECTION A: SPECIALIZED TESTING AND CALIBRATION TOOLS

Supporting Documents must be provided for each specialized tool

S. #	Date of Purchase	Model	Make	Tool Description	Date of Last Calibration

SECTION B: MAJOR SPARE PARTS

1. Purchase documents must be provided,
2. It may include Sensor, PCB, LCD display, Pumps, motors, detectors, Laser and other items recommended by manufacturer etc., list of recommended spare parts must also be provided.
3. Parts such as cables, connectors will not be considered major spare parts.
4. Bidder using an inventory management software may provide a software generated list instead of the below format.

S. #	Date of Purchase	Qty	Model	Make	Part Description	Part Number

SICHN, KARACHI

LIST OF INSTALLATION / REFERENCE CLIENT (Annexure-K)

Equipment:

Make/Manufacturer:

Model:

S. #	Department	Name of Institute	City	Date of Installation	Date of Satisfactory Certificate

Note: Attach the supporting documents.

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(Annexure-L)

COMPLIANCE SHEET/ TECHNICAL EVALUATION SHEET

Name the Vendor:

Make/Manufacturer:

Model: Year of introduction:

Country of Origin:

Country of Manufacturing:

Country of Major parts sourcing:

Use full life as per manufacturer (in Years): CE(MDD) link FDA(US) Link:

JIS/MHLW

Link: ISO 13485

Pre-installation requirement.

Electrical Connection: Grounding:

Backup Supply:

Water (RO/DI with flow):

Drain:

Any other Requirement:

S. #	Tender Specification	Offered Specification	Page # of the supporting Document

Note: Supporting documents must be provided

SICHN, KARACHI

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هڪ ئي وقت ڪراچي، حيدرآباد ۽ سکر مان شايع ٿيندڙ پهرين سنڌي اخبار
DAILY KAWISH
روزانه ڪاوش
Daily Kawish Hyderabad
Sunday, 30 August, 2026
(جلد 37) آچر 30 آگسٽ 2026ع بمطابق 16 ربيع الاول 1448ھ (شمارو 27) قيمت 40 رپيا

آفيس آف دي ايگزيڪيوٽو ڊائريڪٽر
سنڌ انسٽيٽيوٽ آف چائلڊ هيلٿ اينڊ نيونيٽولاجي
(SICHN) حڪومت سنڌ، ڪراچي

ريفرنس نمبر: SICHN/GOS/Proc/Adv-NIT/VIII/26-27/44 تاريخ: 28-08-2026

ٽينڈر نوٽيس

سنڌ انسٽيٽيوٽ آف چائلڊ هيلٿ اينڈ نيونيٽولاجي (SICHN)، سنڌ پبلڪ پروڪيورمينٽ رولز 2010 (ترميم ٿيل 2019) جي واسطيدار فقرن تحت مالي سال 27-2026ع لاءِ هيٺ ڄاڻايل شين جي فراهمي لاءِ اهل واڪ ڏيندڙن کان E-PAK ايڪوزيشن اينڈ ڊسپوزل سسٽم (EPADS) معرفت اي واڪ (e-bids) طلب ڪري ٿو.

خواهشمند واڪ ڏيندڙن کي دعوت ڏني وڃي ٿي ته هو سنڌ بينڪ جي اڪائونٽ ۾ "سنڌ انسٽيٽيوٽ آف چائلڊ هيلٿ اينڈ نيونيٽولاجي (SICHN)" جي نالي تي 5000 رپين جي ناقابل واپسي ٽينڈر فيس روڪ جمع ڪرائي تحريري درخواست پيش ڪن ۽ ادا ٿيل ڊپازٽ سلپ پهرين منزل، پلاٽ نمبر. 354 ۽ 356 جي ايم، ويجهو پيپلز سيڪريٽريٽ چورنگي، جامشورو ڪوارٽرز، ڪراچي ۾ بروز آچر ۽ تعليمي/ عوامي تعطيلات کانسواءِ صبح 09:00 کان منجهند 15:00 وڳي جي وچ ۾، اشاعت جي تاريخ کان ونڊي 16-09-2026 تي صبح 10:00 وڳي تائين جمع ڪرائين. تفصيلي شرطن ۽ ضابطن تي مشتمل واڪ دستاويزات جو مڪمل سيٽ https://sportalsindh.eprocure.gov.pk/# تان ڈسي/ ڊائون لوڊ ڪري سگهجي ٿو.

واڪ دستاويزات ۾ ڏنل هدايت جي مطابق تيار ڪيل واڪ EPADS تي جمع ڪرايا وڃن ۽ سمورن واڪن سان گڏ بينڪ ڊرافٽ، پي آرڊر يا ڪال ڊپازٽ جي صورت ۾ ڪل ڪٽيل رقم جو ڄاڻايل واڪ سيڪيورٽي (Bid Security) "سنڌ انسٽيٽيوٽ آف چائلڊ هيلٿ اينڈ نيونيٽولاجي (SICHN)" جي نالي شامل هٽڻ ضروري آهي. جيڪڏهن واڪ-جمع ڪرائڻ جي آخري تاريخ کان پهرين پهچي وڃڻ گهرجن. هي واڪ انهيءَ ڏينهن 16-09-2026 تي صبح 11:00 وڳي پهرين منزل، پلاٽ نمبر. 354 ۽ 356 جي ايم، ويجهو پيپلز سيڪريٽريٽ چورنگي، جامشورو ڪوارٽرز ڪراچي ۾ ڪوليا ويندا.

SICHN جي پروڪيورمينٽ ڪميٽي وٽ SPPRA رولز 2010 (ترميم ٿيل 2019) جي لاڳاپيل شقن جي تحت ڪنهن به يا سمورن واڪن کي ملتوي/ قبول/ رد ڪرڻ جو حق محفوظ آهي.

سيريل نمبر	ٽينڈر جو عنوان	سوٽي رقم	ٽينڈر فيس	ٽينڈر ڪاغذن جو وڪرو	ٽينڈر وڪري جي آخري تاريخ ۽ وقت	ٽينڈر جمع ڪرائڻ جي تاريخ ۽ وقت	ٽينڈر کولڻ جي تاريخ ۽ وقت	ٽينڈر کولڻ جو هنڌ/ ايڊريس
1	SICHN سائيٽس فيز-I جي لاءِ پلانٽ، مشينري ۽ اوزارن جي خريداري.	2%	5000	NIT جي اشاعت جي ڏينهن کان	16-09-2026 تي صبح 10:00 وڳي تائين يا ان کان اڳ	16-09-2026 تي صبح 10:30 وڳي تائين يا ان کان اڳ	16-09-2026 تي صبح 11:00 وڳي تائين	سنڌ انسٽيٽيوٽ آف چائلڊ هيلٿ اينڈ نيونيٽولاجي (SICHN) فرسٽ فلور پلاٽ نمبر 354 ۽ 356 JM ويجهو پيپلز سيڪريٽريٽ چورنگي جامشورو ڪوارٽرز ڪراچي
2	SICHN سائيٽس جي لاءِ آئي ٽي ايسيسريز، ڪمپيوٽر هارڊويئر ۽ ليئر ڪنديشنرز جي خريداري.							

خاص نوٽ:

- سرڪار پاران عام موڪل جو اعلان ڪرڻ جي صورت ۾ ٽينڈر ورندڙ ڪم ڪار (Working day) واري ڏينهن اماڻيا/ڪوليا ويندا.
- سمورن NITs ۾ سرڪاري ٽيڪس بشمول پروفيشنل ٽيڪس، جي ايس ٽي (GST)، ايس آر بي (SRB) ۽ ٻيا ٽيڪس شامل هوندا، جتي ۽ جڏهن به لاڳو ڪرڻ جو گهڻ هوندا.
- ڪنهن ڏڪيائي جي صورت ۾ واڪ ڏيندڙ EPADS جي هيلپ لائين: 051-111-137-237 تي آفيس وقت دوران رابطو ڪري سگهن ٿا.

ايگزيڪيوٽو ڊائريڪٽر
(SICHN) حڪومت سنڌ
فون: +9221-99333101-2-3

INF/KRY/3776/26

WORK FOR SINDH
JOB PORTAL BY INFORMATION DEPARTMENT

Sr. No. 1894

GOVERNMENT OF SINDH
SINDH INSTITUTE OF CHILD HEALTH & NEONATOLOGY (SICHN)

No-SICHN/GoS/Re-Mod/Constitution of PC/2025-26/243 Date: 01-04-2026

NOTIFICATION

In partial modification of this office Notification **No-SICHN/GoS/Constitution of PC/2025-26/110** dated: **28.10.2025** the procurement committee has been modified for the procurement of goods, works and services with the approval of Executive Director – SICHN. The composition of Procurement committee is as under:

1. Dr. Shahid Raza, Chief Executive Officer, SICHN, Karachi — **Chairman**
2. Mr. Jalaluddin Akber, Prof at Baqai Medical University/Member of BoD — **Member**
3. Mr. Zulfiqar Ali Dars, Deputy Secretary, Health Department, GoS — **Member**

ToRs of the Committee are as under:

The TORS / Functions / Responsibilities of the procurement Committee in accordance with Rule-8 Of SPP Rules 2010 (Amended 2019) Shall be as under:

I. Preparing bidding documents.
II. Making recommendations for the award contract to the competent Authority.
III. Perform any other function ancillary and incidental to above.

(Prof. Syed Jamal Raza)
Executive Director-SICHN, Karachi

Copy forwarded for information to:

1. The P.S to the Chairperson, Board of Directors, SICHN, Karachi
2. The P.S to the Secretary, Health Department, Government of Sindh
3. All Concerned Member
4. Office File.

Prof. SYED JAMAL RAZA
Executive Director
Sindh Institute of Child Health & Neonatology
Karachi.

(Prof. Syed Jamal Raza)
Executive Director-SICHN, Karachi

GOVERNMENT OF SINDH
SINDH INSTITUTE OF CHILD HEALTH & NEONATOLOGY (SICHN)

No-SICHN/Re-Constitution of Committee/CRC/2023-24/63

Date: 16-04-2024

NOTIFICATION

In Subservience to the Complaint Redressal Committee of this office Notification **No-SICHN/Constitution of Committees/2021-22/05** dated: **01.11.2021** the Complaint Redressal Committee is hereby re-constituted in order to address the complaints of bidder as per SPPRA Rules:

1.	Prof. Syed Jamal Raza, Executive Director, SICHN, Karachi	**Chairman**
2.	Mr. Aftab Ahmed Junejo, Accounts Officer, A.G Sindh, Karachi	**Member**
3.	Prof. Khemchand N Moorani, General Secretary, NICH Trust, Karachi	**Member**

The TORS / Functions / Responsibilities of the Complaint Redressal Committee in accordance with Rule-31 of SPP Rules 2010 (Amended 2019).

(Prof. Syed Jamal Raza)
Executive Director-SICHN, Karachi

Prof. SYED JAMAL RAZA
Executive Director
Sindh Institute of Child
Health & Neonatology
Karachi.

Copy forwarded for information to:

1. The P.S to the Chairperson, Board of Directors, SICHN, Karachi
2. The P.S to the Secretary, Health Department, Government of Sindh
3. All Concerned Member
4. Office File.

(Prof. Syed Jamal Raza)
Executive Director-SICHN, Karachi

Prof. SYED JAMAL RAZA
Executive Director
Sindh Institute of Child
Health & Neonatology
Karachi.

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