

**National Institute of Cardiovascular
Diseases, Karachi.**

Bidding Documents

Total Pages: 55 Pages

Single Stage – Two Envelope Procedure

As per Rule 46 (2) of SPPR, 2010 (Amended 2019)

Electronic bid will be submitted, No physical bids can be submitted.

NIT No: NICVD/TN/Khi/SC/No.17/25-26 Opening Date & time: 20-04-2026 at 11:30 a.m.

TENDER PURCHASE & SUBMISSION DATE/TIME: 03-04-2026 to 20-04-2026
11:00 A.M.

**Annual Tender for Supply of
Electrophysiology Items (As per List)**

TENDER NO. 3B-2025

**Note: In all Procurements of NICVD through electronic bid submission. It is mandatory for all
bidders to get registered at EPADS SPPRA.**

Instructions to Bidders

A. Introduction

1. Source of Funds

1.1 The NICVD has allocated funds / 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.

2. Eligible Bidders

2.1 Tenders are to be submitted by the Manufacturers/Importers or their duly authorized distributor. An undertaking has to be given by the importers and authorized agents that the supply would be made available within 10 days.

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 NICVD 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.

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, 2010 (Amended 2019) and its Bidding Documents, and all expenditures made under the contract will be limited to such goods and services.

3.2 The origin of goods and services is distinct from the nationality of the Bidder.

3.3 Samples should be provided for all quoted items three days before tender opening (except those items which are already used in NICVD) .Without samples, tender will not be accepted.

3.4 The supplier should submit a guarantee certificate that the items they will supply are new and the suppliers is fully responsible for any wrong shipment or supply etc and also replace near expiry and already expired items.

3.5 The prices once offered by the firms will not be changed during the same fiscal year. Documentary proof by the competent authority should be submitted along with the tender for price quoted. All documents should be produced for any imported items.

3.6 Last year paid Income Tax Certificate should be submitted along with technical bid.

3.7 Proof for the payment of custom duties and paid taxes must be attached at the time of delivery of all items otherwise payment will not be released and tender will be rejected out right.

- 3.8 One SAMPLE TENDER PROFORMA is being supplied with the list. Any items have to be quoted **ON THIS PROFORMA OR TYPED ON SAME PATTERN**. No other proforma for the tender would be accepted only those items may be typed on the proforma for which the rates are to be quoted. **(All items should be quote as per Serial Number of Tender list otherwise tender will not be considered).**
- 3.9 Specification with detail of items with catalogue Name of manufacturer, Country of Origin, Registration number must be mentioned in technical bid against each item, for which quotation is given, otherwise tender will not be considered.
- 3.10 Printed price list of the Manufacturers/Importer indicating Trade Price and Retail Price should be attached.
- 3.11 The Bidder must provide Undertaking for Return and Replace of Expired / Near Expiry Stock as Per NICVD policy.
- 3.12 As far as possible, all supply will be made by the actual manufacturers directly or nominate their authorized distributors. If the manufacturers has nominated the authorized agent, any penalty in case of breach of terms and conditions will be levied on the agent but the distributors may not be nominated/changed after finalization of the tender throughout the tender period. In exemption case changes may be approved by the tendering authority.
- 3.13 The supplies will have to be delivered at the premises of NICVD on the suppliers risk and cost. Any breakages or shortage of stock will be recovered from the suppliers. Undertaking must be submitted for recover of any breakage or shortage.
- 3.14 In case, the tenderer fails to execute the purchase order strictly in accordance with terms and conditions laid down in the tender the purchase order will stand cancelled after 02 contiguous reminders and the procuring agency can ask the second bidder in tender for supply of the concerned items without the “NO-PROVISION LETTER” by the first bidder as items are of utmost important for the care & management of Cardiac Patients and also the earnest money shall be forfeited and the store will be purchased on supplier’s expense.
- 3.15 The Manufacturers/Retailers/tenderer’s must be registered with the Sales Tax Department under sales tax act 1990 and sales invoice issued must shown element of sales tax if applicable separately copy of Sales Tax Registration Certificate must be attached with technical bid.
- 3.16 As per instructions of Ministry of Health vide Letter No. F.10-6/2002-I&E dated April 6, 2002: -
- The following words shall be printed prominently on product in red color, in English and Urdu: -
- | | |
|----------------------------|-----------------------|
| <u>“Government Supply”</u> | <u>“Not for Sale”</u> |
|----------------------------|-----------------------|
- 3.17 In case of L/C contract 10% of the total amount must be deposit (Refundable) in the name of Executive Director, NICVD, Karachi as Security Amount.
- 3.18 The successful bidder will be required to submit **Security Money** in shape of pay order/deposit at call @ **2%** of the total value of order in name of NICVD, Karachi within Seven (07) days which will be kept with NICVD till the end of the tender period.
- 3.19 The competent authority will blacklist the firm/importer and distributor for supply of sub-standard items, incomplete supply, late supply, inferior quality supply, short supply or wrong supply etc., and hence their earnest money will not be released and amount will be forfeited in the NICVD Account, which will be considered as final.
- 3.20 After finalization of the tender, this Institute will intimate the tenderer regarding approval of their items and they will acknowledge receipt letter for acceptance the supply for fiscal year 2024-2025.
- 3.21 The tenderer will also give their permanent and business address with telephone numbers which can be inspected by tender committee or their number as and when

- deemed necessary. No tender will be accepted if no proper address will found.
- 3.22 Tender is valid for one year, supply order what so ever convenient to the Institute will be given after awarding contract. Once tender accepted by the competent authority can not be withdrawn within the period of one year after decision of the tenderer.
- 3.23 The tenderer will assure us for the policy of replacing the items.
- 3.24 Bidders must provide USB with scan copy in PDF format of required documents i: e Sale tax certificate, NTN Certificate, Latest income tax certificate, Original agency certificate/Agreement valid for till next financial year, FDA/ CE Approved certificate, quoted item Catalogues & DRAP registered certificate.
- 3.25 Executive Director, NICVD, Karachi reserve the rights to increase or decrease the quantity mentioned in the tender in terms of SPPRA Rules, 2010’.
- 3.26 **Executive Director, NICVD, Karachi** may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The NICVD shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.
- 3.27 The NICVD shall announce the results of bid evaluation in the form of a report giving justification for acceptance or rejection of bids at least three days prior to the award of procurement contract.
- 3.28 Tenders will be allotted to only Manufacturers and their local agents. Those who have not provided complete papers as required will not be considered.
- 3.29 The rates should be quoted FOR basis.
- 3.30 The quoted items must be approved by Country of Origin regulatory Authority and they are use for local population (please attached the copy of certificate of registering body).
- 3.31 Conditional Tenders will not be accepted.
- 3.32 If any supplier is found supply of poor quality material/items, or not according to the specification will be disqualified and penalty will be imposed.
- 3.33 The mentioned documents in **DATA SHEET** should be submitted along with technical bid.
- 3.34 Defaulter in previous tender will not be considered in any case.
- 3.35 After finalization of tender procuring agency requires signing of a written contract agreement on stamp paper with 0.35% of total awarded amount as per instruction of Sindh Revenue Board, duly attested by Oath Commissioner from the date on which the signatures of both the procuring agency and the successful bidder are affixed to the written contract. Or/ 0.35% Stamp duty of the value of the contract amount will be affixed on the bills.
- 3.36 NICVD will not pay any Sales Tax or other taxes to any supplier as per serial No.52A, 6th schedule of Sales Tax Act, 1990. “Goods supplied to hospital run by the Federal or Provincial Governments or charitable operating hospital of fifty beds or more or the teaching hospital of statutory universities of two hundred or more beds.
- 3.37 Most advantageous bid based on least cost method will consider according to SPPRA notification *No. SORI (SGA&CD)2-30/2010 dated 11.08.2021*.
- 3.38 Each item price should be quoted as single piece. Box or packet price will not be considered.
- 3.39 Documents should be submitted in according to serial number as mentioned in evaluation criteria.
- 3.40 The price quoted by the bidder shall not be higher for the NICVD as compared to the hospitals and the local market. Bidder shall provide undertaking on Rs. 500/- stamp paper that the price quoted for NICVD is not higher. If NICVD finds at any time that the tender price to be higher than the local market price & the false undertaking is submitted his bid will be rejected and the security money will be forfeited.
- 3.41 The bidder must provide undertaking on E-stamp paper to supply long expired stock. However, in case of expired stock/near expired stock bidder will issue

- credit note in the name of NICVD for the value of stock being returned.
- 3.42 Only manufacturers, importers, sole distributors, authorized distributors/vendors can participate in the tender.
 - 3.43 No bids will be accepted from resellers and retailers. In case of vendor not supplying goods to NICVD, after three reminders it shall result in blacklist the vendor and forfeited their security money in NICVD account. (Accordance to SPPRA rules.)
 - 3.44 The price quoted by the bidder shall not be higher for the NICVD as compared to any hospital in Pakistan & the local market.
 - 3.45 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in rejection of the Bidder's bid, in which event the Procuring Agency shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
 - 3.46 The procuring agency shall disqualify a contractor on the ground that he had provided false, fabricated or materially incorrect information.
 - 3.47 If any bidder after winning the tender is unable to supply their products to NICVD, they shall be penalized as per SPPRA rules.
 - 3.48 The procuring agency shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds.
 - 3.49 The determination can take into account the Bidder's financial, technical, and production capabilities. It shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Further, during the process of technical evaluation of Bidder, the Procuring Agency may inspect the manufacturing plant/production capacity/warehousing system/practices by a team of experts for assessment, if it deems necessary.

4. Cost of Bidding

- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the NICVD named in the Bid Data Sheet, hereinafter referred to as -the NICVD, 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

6. Clarification of Bidding Documents

- 6.1 An interested Bidder requiring any clarification of the bidding documents may notify the NICVD in writing. The NICVD will respond in writing to any request for clarification of the bidding

documents which it receives no later than five working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the NICVD'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 NICVD, 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 NICVD, 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 NICVD shall be written in the language specified in the Bid Data Sheet.

9. Bid Form

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

10. Bid Prices

- 10.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
- 10.2 **For goods offered within the purchaser's country**, prices indicated on the relevant Price Schedule shall be on delivered duty paid (DDP).
- 10.3 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the NICVD and will not in any way limit the NICVD's right to contract on any of the terms offered.
- 10.4 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as nonresponsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

11. Bid Currencies

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

12. Documents Establishing Bidder's Eligibility and Qualification

12.1 The documentary evidence of the Bidder's eligibility to bid shall establish to the NICVD's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country.

12.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the NICVD'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 NICVD's country;
- (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

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

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

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

15 Bid Security

In accordance with SPPRA Rule 37 (2), amended vide notification on dated 25-08-2025 bidders shall furnish a bid security in the amount and form specified in the Bid Data Sheet to protect NICVD against the risk of conduct warranting forfeiture. The bid security shall be forfeited if a bidder withdraws its bid during the bid validity period, or, in the case of a successful bidder, fails to sign the contract or furnish the required performance security under the conditions specified in the bidding documents

15.1 The bid security shall be in Pak. Rupees and shall be in one of the following forms:

- (a) a pay order issued by a reputable bank located in the NICVD's country, in the form provided in the bidding documents or another form acceptable to the NICVD and valid for thirty (30) days beyond the validity of the bid; or
- (b) Irrevocable un-cashable on-demand Bank call-deposit.

15.2 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the NICVD as nonresponsive.

15.3 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 NICVD pursuant to ITB Clause 16.

- 15.4 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.
- 15.5 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 NICVD, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the NICVD as nonresponsive.
- 16.2 In exceptional circumstances, the NICVD may solicit the Bidder's consent to an extension of the period of validity.

D. Submission of Bids

17 Deadline for Submission of Bids

- 17.1 Bids must be received by the NICVD at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.
- 17.2 The NICVD 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 NICVD and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

E. Opening and Evaluation of Bids

18 Opening of Bids by the NICVD

- 18.1 The NICVD will open all bids in the presence of bidders online at the time, on the date, specified in the Bid Data Sheet.
- 18.2 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 NICVD, at its discretion, may consider appropriate, will be announced at the opening.
- 18.3 The NICVD will prepare minutes of the bid opening.

19 Clarification of Bids

- 19.1 During evaluation of the bids, the NICVD 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.

20 Evaluation and Comparison of Bids

- 20.1 The NICVD will evaluate and compare the bids which have been determined to be substantially responsive.
- 20.2 The NICVD's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing taxes and duties.
- 20.3 The NICVD's evaluation of a bid will take into account, in addition to the bid price quoted, one or more of the following factors as specified in the Bid Data Sheet, and quantified.
- (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 NICVD 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 theequipment;
 - (g) the performance and productivity of the equipment offered; and/or
 - (h) other specific criteria indicated in the Bid Data Sheet and/or in theTechnical Specifications.

20.4 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 DataSheet:

(a) Incidental costs provided by the bidder will be added by NICVD to the delivered duty paid (DDP) price at the final destination.

(b) *Delivery schedule.*

- (i) The NICVD 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.

(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 NICVD may consider the alternative payment schedule offered by the selected Bidder.

(d) *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.
- (e) *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.

21 Contacting the NICVD

21.1 Subject to ITB Clause 23, no Bidder shall contact the NICVD 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 NICVD, it should do so in writing.

21.2 Any effort by a Bidder to influence the NICVD in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

22 Award Criteria

22.1 Subject to ITB Clause 30, the NICVD 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.

23 NICVD's Right to Vary Quantities at Time of Award

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

24 NICVD's Right to accept any Bid and to reject any or All Bids

24.1 The Executive Director, NICVD 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 NICVD's action.

25 Notification of Award

25.1 Prior to the expiration of the period of bid validity, the NICVD 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.

25.2 The notification of award will constitute the formation of the Contract.

25.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the NICVD will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.

26 Signing of Contract

26.1 At the same time as the NICVD notifies the successful Bidder that its bid has been accepted, the NICVD will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.

26.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the NICVD.

27 Performance Security

27.1 Within twenty (20) days of the receipt of notification of award from the NICVD, 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 NICVD.

27.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the NICVD may make the award to the next lowest evaluated Bidder or call for new bids.

28 Corrupt or Fraudulent Practices

28.1 The Government of Sindh requires that NICVD's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed or NICVD-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) 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;
- (b) 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.

N.I.C.V.D

National institute of Cardiovascular Diseases, Karachi.

Bidding Documents

Total Pages: 55 Pages

Single Stage – Two Envelope Procedure

As per Rule 46 (2) of SPPR, 2010 (Amended 2019)

Electronic bid will be submitted, No physical bids can be submitted.

NIT No: NICVD/TN/Khi/SC/No.17/25-26 Opening Date & time: 20-04-2026 at 11:30 a.m.

TENDER PURCHASE & SUBMISSION DATE/TIME: 03-04-2026 to 20-04-2026 11:00 A.M.

Annual Tender for Supply of Electrophysiology Items (As per List)

TENDER NO. 3B-2025

Note: In all Procurements of NICVD through electronic bid submission. It is mandatory for all bidders to get registered at EPADS SPPRA.

Bid Data Sheet

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

Introduction	
ITB 1.1	Name of NICVD: National institute of Cardiovascular Diseases, Karachi., Karachi (NICVD)
ITB 1.1	Name of Project/Scheme: Annual Tender for Supply of Electrophysiology Items (As per List)
ITB 1.1	Name of Contract: Annual Tender for Supply of Electrophysiology Items (As per List)
ITB 2.1	Bids submitted under Joint Venture (JV) will not be considered and rejected as ineligible bidder.
ITB 4.1	Name of NICVD: National institute of Cardiovascular Diseases, Karachi (NICVD).
ITB 8.1	Language of the bid shall be ENGLISH.

Bid Price and Currency	
ITB 11.2	The price quoted shall be in Pakistani Rupee for the Goods offered within the NICVD's Country on delivered duty paid (DDP)Price. The price quoted shall be in foreign Currency for the Goods offered from Outside the NICVD's Country on C&F Karachi Basis Price of incidental services, if any, must be included in price of goods
ITB 11.4	The price shall be fixed during the contract period.

ITB 12.1	For the Goods offered within the NICVD's Country: the price quoted shall be in Pak Rupees on delivered duty paid (DDP) basis. or For the Goods offered from Outside the NICVD's Country: the price quoted shall be in Foreign Currency on C&F Karachi Basis.
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Preparation and Submission of Bids			
(A)	Qualification requirements		
S#	Qualification Criteria – Mandatory Requirement (Scan Documents)	Yes	No
1.	Name, Address, Tel, Fax# E-mail Address		
2.	Technical Proposal on Bidder's Letterhead		
3.	National tax Number(NTN) & STRN (Copy Required)		
4.	Latest Income Tax Certificate or Income Tax exemption certificate.		
5.	Copy of Sales Tax Registration certificate.		
6.	Name of Banker with Current Bank statement & financial statements of last 2 years (Must highlight Gross Profit, Total Revenue, Net profit, Net income etc) (FBR Returns/Audited Account Reports must be attached)		
7.	Earnest Money / Bid Security of Rs.20,000,000/- should submit in Procurement department before opening of tender in sealed envelope (Marked Earnest Money/ Bid Security of Tender No.3B/2025).		
8.	Country of Origin valid agency certificate/agreement valid for till next financial year.		
9.	Bid should be submit with required relevant documents only		
10.	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good)		
11.	Valid Manufacturer Authorization till next financial year, against Tender no. 3B/2025		
12.	Copy of CNIC of signatory of the Bid Forms		
13.	Complete Bidding Document, duly signed and stamped on its each/every page as acceptance of all terms & conditions		
14.	Compliance to bid validity period		
15.	Valid General Sales Tax (GST-FBR) Registration with Active Tax Payer Status on FBR website (<i>for supply of goods</i>)		
16.	Valid Income Tax (FBR) Registration with Active Tax Payer Status on FBR website		
17.	Affidavit on E-stamp paper duly notarized to the effect that: i. The bidder is neither blacklisted nor suspended by any National / International, including Provincial and Federal Government. ii. The bidder is neither blacklisted nor suspended by any National / International, including Provincial and Federal Government. iii. Any director or owner of the bidding company is not awarded any punishment from any Court of Law. iv. Bidder has submitted the correct and complete information along with the bid/offer. If any document / information is found forged / engineered / fake / bogus at any stage, the bidder may be declared as Blacklisted in accordance with law and the performance guarantee and payment, if any may be forfeited.		
18.	Company Profile of the Bidder		

19.	Original Tender purchase receipt of Rs. 3000/- in shape of pay order/cash in the name of Executive Director, NICVD Karachi should submit to procurement department in properly marked sealed envelope.		
20.	All other equipment's should be US FDA approved or CE (Conformity European) Marked.		
21.	Sample of implantable leads and catheter to be provided for technical evaluation as per demand at time of technical bid opening.		

Note: ONLY THOSE BIDDERS WHO COMPLETED MANDATORY REQUIREMENTS WILL BE ELIGIBLE FOR FURTHER EVALUATION.

Supply of Electrophysiology Items/Devices
EVALUATION OF CRITERIA

S.NO	NAME OF ITEM	Total Points	Points Obtained
01	Previous experience of NICVD with vendor – Provision of in timely supply.	25	<ul style="list-style-type: none"> If no prior NICVD experience 70% of marks for that category.
02	Previous experience of NICVD with vendor in provision of support staff/programmers.	25	<ul style="list-style-type: none"> If no prior NICVD experience 70% of marks for that category.
03	Vendor should furnish documental evidence of currently supplying centers with complete cardiac electrophysiology services in Pakistan.	20	<ul style="list-style-type: none"> 05 points for each center/hospital.
04	Recommendation of end-user / Technical Committee	30	<ul style="list-style-type: none"> Maximum points = 30 points

NOTE: Total Points for Technical Evaluation 100
Minimum Qualification Criteria 70 marks out of 100.

Tender No.3B/2025
FOR THE YEAR 2025-2026-2027
Supply of Electrophysiology Items/Devices
TENDER LIST

A- CARDIAC ELECTROPHYSIOLOGY ITEMS

1- CARDIAC EP DIAGNOSTIC CATHETERS

<u>Description</u>	<u>Qty</u>
1. DIAGNOSTIC QUADRIPOLAR EP CATHETER (JOSEPHSON CURVE) 6 FR	70
2. DIAGNOSTIC QUADRIPOLAR EP CATHETER (JOSEPHSON CURVE) 5 FR	5
3. DIAGNOSTIC QUADRIPOLAR HIS CATHETER 5 FR	5
4. DIAGNOSTIC DECAPOLAR CS CATHETER (FIXED CURVE) 6 FR	5
5. DIAGNOSTIC DECAPOLAR CS CATHETER (FIXED CURVE) 5 FR	5
6. DIAGNOSTIC DECAPOLAR CS CATHETER (DEFLECTABLE) 6 FR	100
7. DIAGNOSTIC DECAPOLAR CS CATHETER (DEFLECTABLE) 5 FR	10
8. DECAPOLAR CS MICROCATHETER 2 FR	10
9. DECAPOLAR CS MICROCATHETER 2.7 FR	10
10. SENSOR ENABLED, MULTI-ELECTRODE 3D MAPPING CATHETER	
CATEGORY 1 (4 parallel splines, each with 4 electrodes per spline)	30
CATEGORY 2 (5 soft, flexible radiating splines in a star-like configuration)	30

**PRICING FOR CONNECTING CABLES FOR RESPECTIVE DIAGNOSTIC EP CATHETERS
(TO BE QUOTED SEPARATELY)**

2. ABLATION CATHETERS

<u>Description</u>	<u>Qty</u>
11. RADIOFREQUENCY ABLATION CATHETER 7 FR, 4 MM TIP, QUADRIPOLAR, BIDIRECTIONAL	150
12. RADIOFREQUENCY ABLATION CATHETER 5 FR, 4 MM TIP, QUADRIPOLAR	5
13. IRRIGATED TIP RADIOFREQUENCY ABLATION CATHETER 7-8 FR, 4 MM TIP, QUADRIPOLAR, BIDIRECTIONAL	40
14. IRRIGATED TIP, SENSOR ENABLED, CONTACT FORCE SENSING ABLATION CATHETER, MEDIUM AND LARGE CURVE	
CATEGORY 1 (7 Fr, 115 cm, Fiber optic sensors for real time 1 gram resolution contact force monitoring)	50
CATEGORY 2 (8 Fr, 115 cm, Precision spring and magnetic sensors for real-time measurement of stable contact force and tip direction)	100

15. ABLATION CATHETER FOR FOCAL CRYOABLATION (COMPLETE SET WITH ACCESSORIES)	10
16. CRYOBALLOON ABLATION CATHETER SYSTEM FOR ATRIAL FIBRILLATION (COMPLETE SET WITH ACCESSORIES)	15

**PRICING FOR CONNECTING CABLES FOR RESPECTIVE ABLATION CATHETERS
(TO BE QUOTED SEPARATELY)**

3. SHEATHS AND MISCELLANEOUS:

<u>Description</u>	<u>Qty</u>
17. FEMORAL VENOUS INTRODUCER SHEATH, 11 CM	
6 FR	2400
7 FR	1000
9 FR	250
18. BRAIDED GUIDING INTRODUCER SHEATH 8-8.5 FR, 50 DEGREES, 135 DEGREES CURVE ANGLES	
63 CM	75
81 CM	5
19. BRAIDED GUIDING STEERABLE INTRODUCER SHEATH 8.5 FR, BIDIRECTIONAL, MEDIUM & LARGE CURVE	
40 CM	5
61 CM	25
71 CM	5
20. MULLIN SHEATH 6 FR WITH DILATOR AND SIDEPORT	5
21. HYDROPHILIC COATED CATHETER 4 FR (MULTIPURPOSE CURVE)	5
22. TRANSSEPTAL NEEDLE, CURVE ANGLES (19 DEGREES, 53-55 DEGREES & INTERMEDIATE CURVE ANGLES)	
56 CM	5
71 CM	40
89 CM	5
98 CM	5
23. TRANSSEPTAL RADIOFREQUENCY NEEDLE, 71 CM, C0 AND C1 CURVE	10
24. TRANSSEPTAL RADIOFREQUENCY WIRE 180-230 CM, J-TIP AND PIGTAIL CURVE	10
25. 0.032 INCH J-TIP GUIDEWIRE, 150-180 CM	50
26. 0.035 INCH J-TIP GUIDEWIRE, 150-180 CM	50
27. TUBING SET FOR IRRIGATED ABLATION CATHETER	
CATEGORY 1 (length approx. 2.60 metres, compatible with existing Irrigation pump and with existing 3D mapping system in the hospital)	30
CATEGORY 2 (length approx. 4 metres, compatible with existing Irrigation pump and with existing 3D mapping system in the hospital)	20

28. 3 D MAPPING EXTERNAL SURFACE ELECTRODE PATCHES	
CATEGORY 1 (6 electrodes and 2 Patient Reference Sensors . External surface electrode patches should be compatible with existing 3 D mapping system in the hospital)	50
CATEGORY 2 (6 reference patches in combination with a magnetic location pad for advanced catheter location. External surface electrode patches should be compatible with existing 3 D mapping system in the hospital)	100
29. INTRACARDIAC ECHOCARDIOGRAPHY (ICE) CATHETER	25

B- IMPLANTABLE DEVICE ITEMS:

(PRICING FOR COMPLETE SET + ALSO FOR DEVICES, LEADS, LEAD INTRODUCER SHEATHS, CS AND LBBAP DELIVERY SYSTEMS TO BE QUOTED SEPARATELY)

1- <u>IMPLANTABLE DEVICES:</u>	<u>Qty</u>
<u>Description</u>	
1. SINGLE CHAMBER PACEMAKER (VVIR PPM)- COMPLETE SET	
CATEGORY 1 (Single-chamber, rate-responsive pacemaker system with >10-year longevity, IS-1 compatibility, MRI-conditional preferably full-body 3T, with advanced rate response, automatic capture, and auto-sensitivity algorithms. Should have comprehensive diagnostics: HR/amplitude/impedance trends, arrhythmia counters with stored EGMs, and rate histograms. Lead to be ≤7F, ~58 cm, bipolar with steroid-eluting tip compatible with peel-away introducer)	310
CATEGORY 2 (Additional features: beat-to-beat automatic threshold monitoring with dynamic pacing management, real-time automatic sensitivity adjustment algorithm, and application-based remote monitoring capability)	130
CATEGORY 3 (Additional features:Extended battery longevity >12 years, clinically proven minute ventilation–based rate response, and radiofrequency wireless telemetry capability)	130
2. SINGLE CHAMBER PACEMAKER (VVIR PPM)- DEVICE ONLY	
CATEGORY 1 (Single-chamber, rate-responsive pacemaker system with >10-year longevity, IS-1 compatibility, MRI-conditional preferably full-body 3T, with advanced rate response, automatic capture, and auto-sensitivity algorithms. Should have comprehensive diagnostics: HR/amplitude/impedance trends, arrhythmia counters with stored EGMs, and rate histograms)	80

CATEGORY 2	(Additional features: beat-to-beat automatic threshold monitoring with dynamic pacing management, real-time automatic sensitivity adjustment algorithm, and application-based remote monitoring capability)	30
CATEGORY 3	(Additional features: Extended battery longevity >12 years, clinically proven minute ventilation-based rate response, and radiofrequency wireless telemetry capability)	30
3. DUAL CHAMBER PACEMAKER (DDDR PPM)- COMPLETE SET		
CATEGORY 1	(Dual-chamber, rate-responsive pacemaker with >10-year longevity, IS-1 compatible, MRI-conditional, preferably full-body 3T, with ≤7F bipolar steroid-eluting RA/RV leads. Features to include: multi-mode A/V pacing and sensing, intrinsic AV conduction promotion, automatic capture/sensitivity, AF suppression with mode switch, and comprehensive diagnostic data -trends, AT/AF burden, stored EGMs, histograms)	600
CATEGORY 2	(Additional features: Beat-to-beat automatic threshold monitoring with dynamic pacing management in both atrial and ventricular channels, real-time automatic sensitivity adjustment for A/V sensing, and application-based remote monitoring capability).	250
CATEGORY 3	(Additional features: Extended battery longevity >12 years, clinically proven minute ventilation-based rate response, and radiofrequency wireless telemetry capability)	250
4. DUAL CHAMBER PACEMAKER (DDDR PPM)- DEVICE ONLY		
CATEGORY 1	(Dual-chamber, rate-responsive pacemaker with >10-year longevity, IS-1 compatible, MRI-conditional, preferably full-body 3T. Features to include: multi-mode A/V pacing and sensing, intrinsic AV conduction promotion, automatic capture/sensitivity, AF suppression with mode switch, and comprehensive diagnostic data -trends, AT/AF burden, stored EGMs, histograms)	120
CATEGORY 2	(Additional features: Beat-to-beat automatic threshold monitoring with dynamic pacing management in both atrial and ventricular channels, real-time automatic sensitivity adjustment for A/V sensing, and application-based remote monitoring capability).	50
CATEGORY 3	(Additional features: Extended battery longevity >12 years, clinically proven minute ventilation-based rate response, and radiofrequency wireless telemetry capability)	50

5. SINGLE CHAMBER ICD (VR ICD)- DF-4 CONNECTOR- COMPLETE SET	
CATEGORY 1 (ICD with ventricular pacing, rate response, advanced sensing to prevent oversensing, ventricular pacing minimization, full capture management, ≥8-year battery. Single-coil DF-4 RV lead. MRI-conditional (≥1.5T). Must include robust rhythm discrimination to reduce inappropriate shocks. ≥35J shock, ATP in all zones, non-invasive EP study, and HF monitoring. Contoured ergonomic design)	100
CATEGORY 2 (Additional feature: At least 36 Joules delivered high voltage shock energy)	35
CATEGORY 3 (Additional features: Battery longevity- atleast 12 years)	35
6. SINGLE CHAMBER ICD (VR ICD)- DF-4 CONNECTOR- DEVICE ONLY	35
7. SINGLE CHAMBER ICD (VR ICD)- DF-1 CONNECTOR- COMPLETE SET	15
8. DUAL CHAMBER ICD (DR ICD)- DF-4 CONNECTOR- COMPLETE SET	60
9. DUAL CHAMBER ICD (DR ICD)- DF-4 CONNECTOR- DEVICE ONLY	15
10. DUAL CHAMBER ICD (DR ICD)- DF-1 CONNECTOR- COMPLETE SET	05
11. CRT-PACEMAKER (CRT-P) LV IS-4 CONNECTOR- COMPLETE SET	40
12. CRT-PACEMAKER (CRT-P) LV IS-4 CONNECTOR- DEVICE ONLY	10
13. CRT-PACEMAKER (CRT-P) LV IS-1 CONNECTOR- DEVICE ONLY	10
14. CRT-DEFIBRILLATOR (CRT-ICD) DF-4 AND LV IS-4 CONNECTOR- COMPLETE SET	20
15. CRT-DEFIBRILLATOR (CRT-ICD) DF-4 AND LV IS-4 CONNECTOR - DEVICE ONLY	10
16. CRT-DEFIBRILLATOR (CRT-ICD) DF-4 AND LV IS-1 CONNECTOR - DEVICE ONLY	10
17. LBB AREA PACING (LBBAP) LEAD- STYLET DRIVEN - COMPLETE SET	200
18. LBB AREA PACING (LBBAP) LEAD- WITHOUT STYLET- COMPLETE SET	30
19. IMPLANTABLE LOOP RECORDER (ILR)	10

2-LEADS:

20. PERMANENT PACEMAKER LEAD IS-1- (52 CM)	200
21. PERMANENT PACEMAKER LEAD IS-1- (58 CM)	200
22. ICD LEAD DF-4	80
23. ICD LEAD DF-1	20
24. LV LEAD IS-4	20
25. LV LEAD IS-1	10
26. LBBB AREA PACING LEAD STYLET DRIVEN	50
27. EPICARDIAL PACING LEADS IS-1	150
28. TEMPORARY PACING LEAD	1600

3- SHEATHS AND ACCESSORIES:

29. PACEMAKER LEAD INTRODUCER SHEATH- 7F	300
10 F/10.5 F	100
30. ICD LEAD INTRODUCER SHEATH- 9F	100
31. CORONARY SINUS BRAIDED GUIDING SHEATH	50
32. CORONARY SINUS VEIN SUBSELECTOR	50
33. CORONARY SINUS BALLOON FOR VENOGRAPHY	50

4- SURGICAL SUTURES:

34. BRAIDED COATED POLYESTER GREEN 2/0, 3 METRIC, 25 MM 1/2 C ROUND BODY DOUBLE NEEDLE WITH PLEDGET, 100 CM LENGTH	1700
35. BRAIDED COATED POLYGLACTIN 910 VIOLET 2/0, MH-1 PLUS, 31 MM 1/2 C ROUND BODY TAPER NEEDLE, 70 CM LENGTH	1600
36. BRAIDED COATED POLYGLACTIN 910 UNDYED 4/0, 1.5 METRIC, 19 M 3/8 C REVERSE CUTTING NEEDLE, 45 CM LENGTH	400
37. MONOFILAMENT POLYPROPYLENE BLUE 2/0, 3 METRIC, STRAIGHT CUTTING NEEDLE 55MM, 90 CM LENGTH	1600
38. MONOFILAMENT POLYPROPYLENE BLUE 2/0, 3 METRIC, 26 MM 1/2 C ROUND BODY TAPER NEEDLE, 75CM LENGTH	200

5-STERILE, DISPOSABLE PACEMAKER IMPLANTATION SURGICAL DRAPE:

DISPOSABLE, STERILE PACEMAKER DRAPE, INDIVIDUALLY WRAPPED WITH REINFORCED INCISE ZONE, ADHESIVE FENESTRATION, HIGH FLUID BARRIER PERFORMANCE AND INTEGRATED POCKETS FOR LEAD CABLE CONTROL. LATEX-FREE, LINT-FREE, EO STERILIZED AND COMPLIANT WITH RECOGNIZED INTERNATIONAL SURGICAL STERILITY STANDARD

1500

6-STERILE, DISPOSABLE CARDIAC ELECTROPHYSIOLOGY PROCEDURE DRAPE:

DISPOSABLE, STERILE CARDIAC ELECTROPHYSIOLOGY PROCEDURE DRAPE, INDIVIDUALLY WRAPPED WITH REINFORCED INCISE ZONE FOR GROIN ACCESS, ADHESIVE FENESTRATION, HIGH FLUID BARRIER PERFORMANCE, LATEX-FREE, LINT-FREE, EO STERILIZED AND COMPLIANT WITH RECOGNIZED INTERNATIONAL SURGICAL STERILITY STANDARDS

1200

SPECIFICATIONS FOR CARDIAC ELECTROPHYSIOLOGY ITEMS:

SPECIFICATIONS FOR CARDIAC ELECTROPHYSIOLOGY DIAGNOSTIC CATHETERS

Outer diameter: 5 F size (for pediatric) , 6 F size (for adults)

5-7 F for deflectable catheters

2- 2.7 F decapolar coronary sinus microcatheter

Usable length: 65 cm to 130 cm

Electrode number: Quadripolar catheter (for RA and RV), Quadripolar catheter (for His), decapolar catheter (for CS), Duo-decapolar catheter (Halo catheter) for recording around tricuspid ring.

Electrode size: 1-2 mm

Electrode spacing (Inter electrode distance): 2-5-2 mm, 5-5-5 mm or 2-2-2 mm options.

Material: Constructed from biocompatible polymer material such as polyurethane, nylon or polyimide. Preferably have braided shaft for enhanced torque control and pushability. Atraumatic soft tip (polyurethane or similar). Adequate radio-opacity for visibility under fluoroscopy.

Curve options: Fixed curve (Josephson)

Steerable (deflectable tip)

Small, medium or large curve options should be available

NOTE:

1. For initial supply of 50 EP diagnostic catheters, **2 sets of catheter connecting cables** compatible with respective diagnostic catheters would be provided by vendor. Remaining set of the connecting cables would be purchased as per demand.

SPECIFICATIONS FOR SENSOR ENABLED, MULTI-ELECTRODE 3D MAPPING CATHETER:

CATEGORY 1:

Electrode Configuration: 4 parallel splines, each with 4 electrodes per spline (16 electrodes in total).

Electrode Size: 1 mm.

Electrode Spacing: 3 mm inter-electrode spacing along and across splines.

Dimensions: 13 mm x 13 mm area

Shaft Electrodes: Two additional electrodes on the catheter shaft for expanded sensing.

Functionality: Records unipolar and multiple bipolar electrograms (EGMs) in orthogonal (along/across) directions.

Omnipolar Technology: Provides consistent activation timing regardless of catheter orientation.

Catheter Curve: Available in different curves (e.g., D and F, F and J).

Usable Length: around 105 cm

Sensor: Sensor Enabled (SE).

Deflection: 180 degrees unidirectional or bidirectional with pull push handle

Catheter Size: 8 French

NOTE:

- **System Compatibility:** Sensor enabled, multi-electrode 3D mapping catheter should be compatible with existing 3D electroanatomic mapping system in the hospital.

CATEGORY 2:

Design: 5 soft, flexible radiating splines in a star-like configuration.

Electrodes: 20 electrodes total (4 ring electrodes per spline).

Electrode Size: 1 mm

Inter-electrode spacing: 2-6-2 mm or 4-4-4 mm interelectrode spacing.

Distal spline Size: 3 French

Diameter of array: 30 mm

Deflection: 180 degrees unidirectional flexion

Signal Resolution: Small electrode size (approx. 0.76 mm) and deliver high-resolution signals.

Shaft Size: 7 French (Fr).

Usable Length: around 115 cm

Sensor: Sensor Enabled (SE).

Functionality: Records electrograms, performs pacing, and provides location information for atrial/ventricular mapping.

NOTE:

- **System Compatibility:** Sensor enabled, multi-electrode 3D mapping catheter should be compatible with existing 3D electroanatomic mapping system in the hospital.

SPECIFICATIONS FOR CARDIAC ELECTROPHYSIOLOGY ABLATION CATHETERS

Outer diameter: 5 F size (for pediatric), 7 to 8 F size (for adult)

Catheter Shaft usable Length: 90 -120 cm

Tip electrode Size: 4mm, 8 mm optional

Electrode Number: 4

Electrode spacing: options of 2-5-2 mm, 1-4-1 mm, 2-2-2 mm, 2.5 mm

Deflectable shaft: Steerable, deflectable shaft for precise positioning, controlled by a slide tab on the handle.

Curve options: Unidirectional and bidirectional curve options, asymmetric curve option should also be available.

Reach options: Small, medium and extended reach options should be available.

Energy delivery method: Radiofrequency (RF) energy.

Power Delivery: Delivers up to 50-100 W of RF energy, with power output adjusted by the generator based on temperature, impedance, and other user settings.

Temperature Sensor: equipped with thermistor for temperature monitoring and control

Impedance monitoring

Irrigated tip radiofrequency ablation catheters: Open irrigation or closed irrigation options.

NOTE:

1. Ablation catheter connecting cable should be compatible with existing Radiofrequency generators present in the hospital.
2. For initial supply of 50 radiofrequency ablation catheters, **2 sets of catheter connecting cables** compatible with respective ablation catheters would be provided by vendor. Remaining set of the connecting cables would be purchased as per demand.

3. For initial supply of 10 Irrigated tip radiofrequency ablation catheters, **1 set of catheter connecting cable and 1 irrigation tubing set** compatible with respective catheters would be provided by vendor, rest of the connecting cables and irrigation tubing set would be purchased as per demand.

**SPECIFICATIONS FOR IRRIGATED TIP, SENSOR ENABLED,
CONTACT FORCE SENSING ABLATION CATHETER:**

CATEGORY 1:

Catheter Type: Irrigated tip, contact force sensing, radiofrequency ablation catheter.

Outer Diameter: 7 French.

Overall Length: 115 cm.

Deflection: Deflectable tip 65 mm or 75 mm distal section.

Electrodes: 4

Electrode spacing: 2-5-2 mm spacing

Force Sensing Technology: Fiber optic sensors for real time 1 gram resolution contact force monitoring.

Contact Force Precision: 1 gram resolution (mean accuracy ~0.3 gram).

Tip Electrode: 3.5 mm size with an integrated thermocouple for temperature sensing.

Data acquisition: 50 Hz (20 ms) sampling rate

Irrigation: Open-irrigated design (6-holes) to prevent clot formation and cool the tip.

Introducer sheath Compatibility: 8.5 French minimum sheath diameter

NOTE:

1. **System Compatibility:** irrigated tip, sensor enabled, contact force sensing ablation catheter should be compatible with existing 3D electroanatomic mapping system in the hospital.
2. For initial supply of 10 irrigated tip, sensor enabled, contact force sensing RF ablation catheters, **1 set of catheter connecting cable and 1 irrigation tubing set** compatible with respective catheters would be provided by vendor, rest of the connecting cables and irrigation tubing set would be purchased as per demand.

CATEGORY 2:

Catheter Type: Irrigated tip, contact force sensing, radiofrequency ablation catheter.

Outer Diameter: 8 French.

Insertion Length: 115 cm.

Tip electrode Length: 3.5 mm

Electrode spacing: 1-6-2 mm (tip to ring electrodes)

Cooling Technology: 6 hole open irrigated tip design

Force Sensing Technology: Precision spring and magnetic sensors for real-time measurement of stable contact force and tip direction.

Deflection Type: Bidirectional

Curve: D-D, F-F, J-J, F-J and D-F

Connection: Uses spring mechanism inside the tip to measure micro-deflection approximately 1 gram resolution

Sensors: Embedded location sensor and Thermocouple temperature sensor

NOTE:

1. **System Compatibility:** irrigated tip, sensor enabled, contact force sensing ablation catheter should be compatible with existing 3D electroanatomic mapping system in the hospital.
2. For initial supply of 10 irrigated tip, sensor enabled, contact force sensing RF ablation catheters, **1 set of catheter connecting cable and 1 irrigation tubing set** compatible with respective catheters would be provided by vendor, rest of the connecting cables and irrigation tubing set would be purchased as per demand.

SPECIFICATIONS FOR ABLATION CATHETER FOR FOCAL CRYOABLATION:

Shaft length: 108 cm

Outer diameter: 7 F

Ablation electrode size: 6 cm

Electrode spacing: 2-5-2

Reach options: Medium and long reach

NOTE:

1. Focal Cryoablation catheter supplied should be usable with nitrous oxide refrigerant and compatible with Cryoablation console in the hospital.
2. Cryoablation console would be provided if supplied focal cryoablation catheter is not compatible with existing Cryoablation console in the hospital.
3. Vendor should provide **1 set of catheter connecting electrical cable and umbilical cable** with supply of each cryoablation catheter.

SPECIFICATIONS FOR CRYOBALLOON ABLATION CATHETER SYSTEM FOR ATRIAL FIBRILLATION:

Balloon Diameter: 23 to 31 mm

Shaft Size (Outer Diameter): 10.5 to 11.8 F

Usable Length: 115 cm to 140 cm

Effective Length: 95 ± 2 cm

Guidewire Compatibility: 0.032"- 0.035" guidewire

Refrigerant: Liquid nitrous oxide

Associated Components:

Compatible steerable sheath (12-15 F outer diameter)

Circular mapping catheter

NOTE:

1. Cryoballoon ablation catheter system for atrial fibrillation supplied should be usable with nitrous oxide refrigerant and compatible with Cryoablation console in the hospital.
2. Cryoablation console would be provided if supplied cryoballoon ablation catheter is not compatible with existing Cryoablation console in the hospital.
3. Vendor should provide **1 set of catheter connecting electrical cable and umbilical cable** with supply of each cryoballoon ablation catheter.

SPECIFICATIONS FOR FEMORAL VENOUS INTRODUCER SHEATH

French Size (Inner Diameter): 6 Fr., 7 Fr. and 9 Fr. sizes

Length: 11 cm

Material: Flexible, kink-resistant material to minimize vessel wall damage.

Hemostasis Valve

Side Port: Side arm with a three-way stopcock for flushing, aspiration, or pressure monitoring.

Kit Contents should include:

Sheath and dilator assembly, Guidewire (e.g., 0.035" or 0.038" diameter), Introducer needle and scalpel.

SPECIFICATIONS FOR BRAIDED GUIDING INTRODUCER SHEATH

Outer Diameter: 8-8.5 F

Sheath Usable Length: 63 cm, 81 cm

Dilator Usable Length: 67 cm, 85 cm

Accommodates transseptal needle length: 71 cm, 89 cm

Curve Angles: pre-shaped curves 50°, 135° options

Guidewire Compatibility: compatible with 0.032" or 0.035" maximum outer diameter guidewires.

Material: Braided shaft for torque control and kink resistance, lubricious coating and radiopaque marker for visibility under fluoroscopy

Hemostatic Valve: Integrated valve to reduce blood backflow and risk of air embolism.

Dilator: with smooth, atraumatic transition to the sheath tip

Side Port: for flushing, aspiration, and pressure monitoring.

SPECIFICATIONS FOR BRAIDED GUIDING STEERABLE INTRODUCER SHEATH

Sheath Size: 8.5 F

Sheath Usable Length: 40 cm, 61 cm, 71 cm

Accommodates transseptal needle length: 71 cm, 89 cm, 98 cm

Steering: Dual reach, bidirectional deflection up to 90°-180°

Shaft: Braided with improved kink resistance

Curly options: small, medium, large

Handle: ergonomic handle with auto-lock capability

Maximum guidewire Diameter: 0.032 in

Valve: Integrated hemostatic valve with 3-way stopcock

Tip: Atraumatic, with radio-opaque marker

SPECIFICATION FOR MULLIN SHEATH:

Size: 6 Fr outer diameter

Length: 48 cm, 63 cm

Guidewire Compatibility: Compatible with 0.032-inch or 0.035-inch guidewire

Design:

Atraumatic Tip: Smooth, tapered, radiopaque tip to reduce vessel trauma during insertion.

Kink Resistance: Constructed to resist kinking during tortuous navigation.

Surface: coated with hydrophilic material or made of smooth, medical-grade, PTFE-lined polymer to reduce friction.

Radiopacity: Radiopaque marker at the distal tip enables visualization under fluoroscopy.

Components:

The kit includes:

Mullin sheath

Dilator to aid insertion

Sideport with stopcock for flushing, pressure monitoring

SPECIFICATIONS FOR HYDROPHILIC COATED CATHETER

Size: 6 Fr outer diameter

Length: 100 cm, 110 cm, or 125 cm

Curve: Multipurpose curve

Coating: Hydrophilic coating

Design: Braided stainless steel mesh to enhance torque control, kinking resistance, and pushability.

SPECIFICATIONS FOR TRANSSEPTAL NEEDLE

Needle Usable Lengths: 56 cm, 71 cm, 89 cm, 98 cm

Needle Curve Angles: 19°, 53-55° and intermediate curve angle option

Bevel Angle: 30°, 50°

Gauge: 18-21 gauge

Dilator compatibility: compatible with 0.032-inch dilator system

SPECIFICATIONS FOR TRANSSEPTAL RADIOFREQUENCY NEEDLE:

Needle length: 71 cm

Needle curve: C0, C1

SPECIFICATIONS FOR TRANSSEPTAL RADIOFREQUENCY WIRE:

Length: 180-230 cm

Wire diameter: 0.035 inch

Tip configuration: J-tip, Pigtail

NOTE:

1.RF transeptal puncture needle or RF transeptal wire should be compatible with supplied radiofrequency transeptal puncture Generator.

2.Radiofrequency transeptal Puncture Generator (100 Amperes) and connecting cable would be provided on purchase of RF transeptal puncture needles or RF transeptal wires.

SPECIFICATIONS FOR 0.032" J-TIP AND 0.035" J-TIP GUIDEWIRE:

Diameter: 0.032 in, 0.035 in

Working Length: 150cm, 180 cm

Tip Configuration: J-tip (3mm radius)

Core Material: [Nitinol](#) or [Stainless Steel](#)

Coating: PTFE (Polytetrafluoroethylene)

Flexible Tip Segment: 3cm

Radiopacity: Enhanced visibility under fluoroscopy

TUBING SET FOR IRRIGATED ABLATION CATHETER:

CATEGORY 1:

Length: Approximately 2.6 meters

Function: The tubing set is used to connect the irrigation pump to the catheter and delivers saline to the RF ablation catheter's fluid lumen for active cooling of the tip electrode.

Compatibility:

The tubing set for irrigated ablation catheter should be compatible with existing Irrigation pump and with existing 3D mapping system in the hospital.

CATEGORY 2:

Length: Approximately 4 meters

Function: The tubing set is used to connect the irrigation pump to the catheter and delivers saline to the RF ablation catheter's fluid lumen for active cooling of the tip electrode.

Compatibility:

The tubing set for irrigated ablation catheter should be compatible with existing Irrigation pump and with existing 3D mapping system in the hospital.

3 D MAPPING EXTERNAL SURFACE ELECTRODE PATCHES:

CATEGORY 1:

Surface Electrode Patches: 6 electrodes are used to form 3 orthogonal axes (X-Y-Z) surrounding the heart arranged in pairs:

Anterior to Posterior

Left to Right Lateral

Superior to Inferior

System Reference Electrode: Specific electrode used to establish the baseline for the impedance field.

Patient Reference Sensors: 2 sensors (anterior and posterior) are used to monitor patient movement and detect metal distortion.

System Compatibility:

The external surface electrode patches should be compatible with existing 3 D mapping system in the hospital.

CATEGORY 2:

Surface Electrode Patches: 6 electrodes are used

Placement Location: Patches are placed on patient chest and back

Arrangement: Patches must be placed within the mapping zone, arranged to form an electrical field surrounding the heart

Reference Patch: One of these patches serve as an external reference patch

Advanced Catheter Location: The system uses six reference patches on the patient's body in combination with a magnetic location pad to calculate the precise location of catheters, ensuring accuracy.

System Compatibility:

The external surface electrode patches should be compatible with existing 3 D mapping system in the hospital.

SPECIFICATIONS FOR INTRACARDIAC ECHOCARDIOGRAPHY (ICE) CATHETERS:

Shaft Diameter: 8 - 10 French

Usable Length: 8 French = 110 cm, 10 French = 90 cm

Imaging frequency: 5-9 MHz

Transducer, Number of elements: 64

Ultrasound type: Phased array

Distance from transducer to tip: 1.0 cm

Tissue penetration: 16cm

Locking mechanism: Manual

Tip deflection: 4 way (Anterior/ posterior, left/right), 2 way steerability

Tip deflection angle: 120 degrees

Imaging capabilities: 2D, PW/CW Doppler, CF

Real time 3D Color: 24 x 90 volume

NOTE:

1. ICE catheter should be compatible with supplied echocardiography machine.
2. ICE catheter compatible echocardiography machine would be provided on purchase of ICE catheters.
3. ICE catheter should be capable of 3D localization with existing 3D mapping systems in the hospital.
4. Vendor should supply **1 set of catheter connecting cable** with supply of 10 ICE catheters, rest of the connecting cables would be purchased as per demand

**GENERAL TERMS AND CONDITIONS FOR
CARDIAC IMPLANTABLE ELECTRONIC DEVICES:-**

1. Vendor should be able to provide support and service staff with presence in the country. No training or service personnel should be from India or any other country whose residence would make it difficult to obtain Visa for Pakistan.
2. **Device model quoted should be registered with DRAP and should be US FDA approved OR CE (Conformite Europeene) marked.**
3. Device model quoted should currently be manufactured.
4. If any other model of the device or lead of the manufacturer in the same model assembly line has had any “recalls”, then these need to be detailed at time of submission of the bid.
5. **Vendor will quote price of each individual item in the Device Set separately including:**
 - a. Pulse Generator, ICD Generator, CRT-P or CRT-ICD Generator
 - b. Pacemaker Lead/s, Epicardial pacemaker lead, ICD lead, LV lead, LBBAP lead
 - c. Peel away lead introducer sheath/s
 - d. LV lead delivery system including accessories
 - e. LBB area pacing lead delivery system including accessories
6. **Vendor will quote price of complete Device Set including:**
 - a. Pulse Generator, Pacemaker Lead/s, Epicardial Pacing Lead, compatible peel away lead introducer sheath/s
 - b. ICD Generator (DF-4 or DF-1 device), Defibrillator lead (DF-4 or DF-1), compatible peel away lead introducer sheath/s
 - c. CRT-Pacemaker Generator (IS-4 or IS-1 device) or CRT-ICD Generator (IS-4 or IS-1 device), Pacemaker Lead/s, LV Lead (IS-4 or IS-1), Defibrillator lead (DF-4 or DF-1), LV lead delivery system with all accessories
 - d. LBB area pacing Pulse Generator, Pacemaker Lead/s and compatible peel away lead introducer sheath/s, LBB area pacing delivery system with all accessories
7. The vendor will be responsible for providing “Device Identity Card” incorporating all relevant information within one week of device implantation.
8. Vendor/manufacturer will be responsible for maintaining patient database in case there is recall on any of the implanted components.
9. Vendor will ensure at least 3 Device Programmers (including option of Lead Analysis) are provided on a permanent basis to National Institute of Cardiovascular Diseases, Karachi. The vendor will be responsible for ensuring that the Device programmer is loaded with latest and upgraded software and timely upgrades as and when required. If the programmer is not functioning for any reason, the vendor will provide a replacement in less than 24 hours.
10. **Vendor should supply 1 sterilized pacing lead analyzer cable for every 10 pacemaker devices supplied.**
11. **Vendor should supply 1 sterilized lead analyzer cable for each ICD device, LBB area pacing device, CRT-P device or CRT-ICD device.**
12. Letter from principal agreeing to provide all technical support for the next 10 years.

**SPECIFICATIONS FOR SINGLE CHAMBER RATE RESPONSIVE
PERMANENT PACEMAKER (VVIR PPM)**

CATEGORY 1

- 1) Single chamber rate responsive pacemaker generator should have battery longevity of more than 10 years estimated with standard parameter values.
- 2) Pacemaker Device and Lead should be IS-1 compatible.
- 3) Pacemaker and lead should be MRI conditional, preferably with full body MRI scan capability with 3 Tesla field strength of MRI scanner.
- 4) Pacemaker Lead should be 7F or less in diameter, should have working length of approximately 58cm, should be bipolar with steroid eluting tip and should be able to deliver through compatible peel away introducer sheath.
- 5) Pacemaker should have the latest technological features to provide smooth and appropriate response of pacing rate to increased metabolic demand.
- 6) Should have algorithm for confirmation of pacing capture
- 7) Should have algorithm for sensitivity adjustment
- 8) Should have features for:
 - a. Trends for heart rate, amplitude and lead impedance.
 - b. Patient diagnostic arrhythmia counters with stored electrograms for arrhythmia, rate histograms.

CATEGORY 2

Single chamber pacemaker devices fulfilling category 1 specifications with additional features, including:

- a- Beat to beat threshold check and automatic/dynamic pacing management feature.
- b- Automatic and dynamic beat to beat sensitivity adjustment algorithm based on real time sensing.
- c- Application based remote monitoring feature

CATEGORY 3

Single chamber pacemaker devices fulfilling category 1 specifications with additional features, including:

- a- Extended battery longevity of more than 12 years.
- b- Clinically proven minute ventilation sensor to restore chronotropic competence.
- c- Radiofrequency telemetry for wireless transmission of information.

**SPECIFICATIONS FOR DUAL CHAMBER RATE RESPONSIVE
PERMANENT PACEMAKER (DDDR PPM)**

CATEGORY 1

1. Dual chamber rate responsive pacemaker generator should have battery longevity of more than 10 years estimated with standard parameter values.
2. Pacemaker Device and Leads should be IS-1 compatible.
3. Pacemakers and leads should be MRI conditional, preferably with full body MRI scan capability with 3 Tesla field strength of MRI scanner.
4. Pacemaker Leads should be 7F or less in diameter, should be bipolar with steroid eluting tip and should be able to deliver with compatible peel away introducer sheaths.
5. Ventricular leads should have working length of approximately 58 cm and atrial leads about 52 cm in length.
6. Pacemaker should have the latest technological features to provide smooth and appropriate response of pacing rate to increased metabolic demand and restore chronotropic competence.
7. Should provide for atrial & ventricular pacing and sensing with choice of different brady modes of operations.
8. Should have algorithm for confirmation of pacing capture.
9. Should have algorithm for sensitivity adjustment.
10. Should have algorithm to promote intrinsic atrio-ventricular conduction and minimize ventricular pacing.
11. Should have features for:
 - a. Trends for heart rate, amplitude and lead impedance.
 - b. Patient diagnostic arrhythmia counters with stored electrograms for atrial or ventricular arrhythmias, AT/AF burden, rate histograms.
12. Should have provision of mode switch and algorithm for suppression of atrial fibrillation.

CATEGORY 2

Dual chamber pacemaker devices fulfilling category 1 specifications with additional features, including:

- d- Beat to beat threshold check and automatic/dynamic pacing management feature in both atrial and ventricular channels.
- e- Automatic and dynamic beat to beat sensitivity adjustment algorithm based on real time sensing of atrial and ventricular events.
- f- Application based remote monitoring feature.

CATEGORY 3

Single chamber pacemaker devices fulfilling category 1 specifications with additional features, including:

- d- Extended battery longevity of more than 12 years.
- e- Clinically proven minute ventilation sensor to restore chronotropic competence.
- f- Radiofrequency telemetry for wireless transmission of information.

**SPECIFICATIONS FOR SINGLE CHAMBER ICD (VR-ICD)
OR DUAL CHAMBER ICD (DR-ICD):**

CATEGORY 1

1. ICD should be equipped with ventricular or dual chamber-based pacing function and appropriate rate response parameters.
2. Advanced sensing and filter function, e.g. appropriate algorithms to avoid oversensing issues.
3. Algorithms designed to reduce unnecessary ventricular pacing.
4. Complete capture management to extend device longevity.
5. Battery longevity (at least 8 years) and improved capacitor charge time performance.
6. Equipped with variety of rhythm discriminators and specific algorithms with clinically proven efficiency in avoiding inappropriate and unnecessary shocks (including AT/AF detection accuracy).
7. Advanced sensing and filter function, e.g. appropriate algorithms to avoid oversensing issues.
8. Provision of non-invasive EP study including burst induction parameters.
9. ATP provision in all rate zones.
10. At least 35 Joules delivered high voltage shock energy.
11. Heart failure monitoring features e.g. algorithms for fluid status monitoring.
12. Defibrillator ventricular lead with provision for either DF-1 or DF-4 connector pins to be compatible with the respective connector header in the ICD device.
13. Defibrillator lead should be single coil.
14. IS-1 lead connector pin for pace sense RA lead.
15. Provision of non-invasive EP study including burst induction parameters.
16. Contoured shape designed for enhanced patient comfort.
17. ICD device and lead should be MRI conditional, preferably with full body MRI scan capability with at least 1.5 Tesla field strength of MRI scanner.

CATEGORY 2

Single or Dual chamber ICD devices fulfilling category 1 specifications with additional features, including:

1. At least 36 Joules delivered high voltage shock energy.

CATEGORY 3

Single or Dual chamber ICD devices fulfilling category 1 specifications with additional features, including:

1. Battery longevity (at least 12 years)

Complete Set for Single chamber ICD or Dual chamber ICD:

1. Single chamber ICD (VR-ICD) or Dual Chamber ICD (DR-ICD) generator device with DF-4 ICD lead port.
2. Option of Single chamber ICD (VR-ICD) or Dual Chamber ICD (DR-ICD) generator device with DF-1 ICD lead port should also be quoted.
3. RV Defibrillator lead should be bipolar, active fixation lead with steroid eluting tip with single shocking coil and have a DF-4 connector pin. Lead French size should be 9 French, preferably lesser.
4. Option of RV Defibrillator lead with DF-1 connector pin should also be quoted.
5. Appropriate French size peel away introducer sheath for DF-4 ICD lead, preferably 9 French size or less.
6. RA Pacemaker Lead should be 7F or less in diameter, should be bipolar with steroid eluting tip, should have working length of approximately 52 cm and should be able to deliver through compatible peel away introducer sheath.
7. Appropriate French size peel away introducer sheath for RA lead, preferably 7 French size or less.

**SPECIFICATIONS FOR CRT-PACEMAKER (CRT-P)
OR CRT-ICD (CRT-D):**

1. Equipped with algorithms and features to maximize CRT delivery and CRT optimization.
2. Should be equipped with multiple LV pacing vector options for improving response to CRT.
3. Should have advanced CRT programming settings such as optimizing AV intervals, vector selection, biventricular triggering and adjustment of LV offset.
4. Estimated battery longevity should be greater than 7 years.
5. Complete capture management feature to extend device longevity.
6. Heart failure detection and monitoring features e.g. algorithms for fluid status monitoring.
7. For CRT-ICD device:
 - a. Advanced sensing and filter function, e.g. appropriate algorithms to avoid oversensing issues.
 - b. Equipped with variety of rhythm discriminators and specific algorithms with clinically proven efficiency in avoiding inappropriate and unnecessary shocks (including AT/AF detection accuracy).
 - c. ATP provision in all rate zones.
 - d. At least 35 Joules delivered high voltage shock energy.
8. Physiologic device contour and smaller device footprint for reducing chances of pocket erosion.
9. CRT-Pacemaker device or CRT-ICD device should be MRI conditional, preferably with full body MRI scan capability with at least 1.5 Tesla field strength of MRI scanner.

Complete Set for CRT-Pacemaker (CRT-P) or CRT-ICD :

1. CRT-Pacemaker generator or CRT-ICD generator device with IS-4 LV lead port.
2. Option of CRT-Pacemaker generator or CRT-ICD generator device with IS-1 LV lead port should also be quoted.
3. RA Pacemaker Lead should be 7F or less in diameter, and should be bipolar with steroid eluting tip, should have working length of approximately 52 cm and should be able to deliver through compatible peel away introducer sheath.
4. RV Pacemaker Lead should be 7F or less in diameter, should be bipolar, active fixation with steroid eluting tip, should have working length of approximately 58 cm and should be able to deliver through compatible peel away introducer sheath.
5. RV Defibrillator lead should be bipolar, active fixation lead with steroid eluting tip with single shocking coil and have a DF-4 connector pin. Lead French size should be 9 French, preferably lesser.
6. Option of RV Defibrillator lead with DF-1 connector pin should also be quoted.
7. Appropriate French size peel away introducer sheath for DF-4 ICD lead, preferably 8 French size or less.
8. LV lead should be quadripolar with different lead tip shape options and electrode spacing configurations to suit patient's venous anatomy at implantation.

9. LV LEAD DELIVERY SYSTEM:

- a) Braided core Coronary Sinus (CS) Catheters/Guide:
Preshaped catheters with curves to fit various CS anatomy, option of CS guide catheter for right sided LV lead implantation.
Hemostatic valve and sideport for injection
Ability to be slit with provided slitting device
- b) Telescopic System: Multi-component catheter that allow for deep cannulation of the coronary sinus, ability to be slit with provided slitting device
- c) Vein Selectors/Sub-selectors: acting as a rail for the main guide catheter, different shape options, ability to be slit with provided slitting device
- d) Balloon inflation catheter for CS venography
- e) Accessories:
Sheath slitting device
LV Lead introducer tool

SPECIFICATIONS FOR LEFT BUNDLE BRANCH AREA PACING (LBBAP) LEAD AND DELIVERY SYSTEM:

LUMENLESS LBBAP LEAD:

1. Design: Lumenless with fixed, non-retractable helix
2. Body Diameter: 1.4 mm (4.1 Fr)
3. Lengths: 69 cm, 74 cm
4. Electrodes: Electrically active helix (cathode) and ring anode. Steroid-eluting tip
5. Tip Length: 1.8 mm helix length
6. Interelectrode Distance: 9 mm.
7. Insulation: Polyurethane outer, silicone/ETE inner

LBBAP DELIVERY SYSTEM ACCESSORIES:

1. 9F Lead Introducer sheath with dilator and guidewire
2. Delivery Sheath:
 - A. Fixed curve, 43 cm length, 5.5 Fr inner diameter, 7.0 Fr outer diameter with sideport for contrast injection.
 - B. Deflectable curve with septal shape, 5.7 Fr inner diameter, 8.4 Fr outer diameter with sideport for contrast injection.
3. Sheath slitting tool

STYLET-DRIVEN LBBAP LEAD:

1. Lead Body Diameter: 5.6- 5.8 Fr
2. Lengths: 45 cm to 65 cm
3. Design: Stylet-driven with extendable-retractable helix
4. Helix Length: 1.8 - 2.0 mm when fully extended
5. Steroid-eluting tip

LBBAP DELIVERY SYSTEM ACCESSORIES:

1. 9 Fr to 10.5 Fr Lead Introducer sheath with dilator and guidewire
2. Delivery Sheath:
 - Sheath Size: 7 Fr to 10 Fr
 - Sheath length: 32cm to 42 cm
 - Fixed curve 3D preshaped sheath with sideport for contrast injection.

Deflectable sheath with sideport for contrast injection.
3. Sheath slitting tool

SPECIFICATIONS FOR IMPLANTABLE LOOP RECORDER (ILR):

Dimensions of Can: height x width x depth (upto 48 mm x 8.5 mm x 4.5 mm)

Volume: upto 1.9 cc

Mass: upto 5 grams

Battery Longevity: atleast 3 years

MRI Compatibility: Device should be 1.5T and 3T MRI Conditional

Monitoring Method: Continuously monitors and records subcutaneous ECG using internal electrodes

Detection algorithms: to significantly reduce false alerts from AF and pause while preserving sensitivity

Enhanced ECG experience: to aid in clinical adjudication

Patient Trigger: Patients can manually trigger the device to record an episode when they experience symptoms

Storage: Can store significant number of auto-detected and patient-triggered episodes

Remote Monitoring: Utilizes wireless technology to automatically transmit data to a secure online network via a patient's personal smartphone app or a dedicated home communicator.

Implantation Tool Kit: Dedicated implantation tool kit should be provided

SPECIFICATIONS FOR SURGICAL SUTURES:

1. **Braided Coated polyster** Green 2/0, 3 Metric, 25 mm 1/2 c round body double needle with pledget, 100 cm length
2. **Braided Coated polyglactin 910** Violet 2/0, MH-1 plus, 31 mm 1/2 c round body taper needle, 70 cm length
3. **Braided Coated polyglactin 910** Undyed 4/0, 1.5 Metric, 19 mm 3/8 c reverse cutting needle, 45 cm length
4. **Monofilament polypropylene** Blue 2/0, 3 Metric, straight cutting needle 55mm, 90 cm length
5. **Monofilament polypropylene** Blue 2/0, 3 Metric, 26 mm 1/2 c round body taper needle, 75cm length

STERILE DISPOSABLE PACEMAKER

IMPLANTATION SURGICAL DRAPE:

Type: Sterile, single-use, disposable

Latex: Latex free

Drape Size: Minimum **260 cm × 300 cm** (adult full body coverage)

Fabric Material: SMS / SSMMS non-woven, polypropylene OR equivalent

Barrier Level: AAMI Level 4 (or highest available equivalent)

Reinforcement: Reinforced critical zone around fenestration

Fenestration Size: Minimum **10 × 12 cm** incise film window, two apertures for bilateral access.

Adhesive Border: Medical grade adhesive around fenestration

Fluid Collection: Integrated absorbent pad and/or fluid collection pouch

Lead Pocket: Transparent instrument pouch

Lint Level: Low-lint, abrasion resistant

Tear Resistance: High tensile strength

Fluid Resistance: Strike-through resistant

Sterilization: EO Sterilized

Packing: Individually packed, sterile peel open pouch

Shelf Life: Minimum 2 years at delivery. Expiry and batch traceability

Regulatory: DRAP registered

Country of origin: Must be declared

**STERILE DISPOSABLE CARDIAC ELECTROPHYSIOLOGY
PROCEDURE DRAPE:**

Type: Sterile, single-use, disposable

Latex: Latex free

Drape Size: Minimum 220 cm × 350 cm

Fabric Material: SMS / SSMMS non-woven, polypropylene OR equivalent

Barrier Level: AAMI Level 4 (or highest available equivalent)

Reinforcement: Reinforced critical zone around fenestration

Fenestration Size: Minimum 10 × 14 cm incise film window, two apertures for bilateral groin access.

Adhesive Border: Medical grade adhesive around fenestration

Fluid Collection: Integrated absorbent pad and/or fluid collection pouch

Lint Level: Low-lint, abrasion resistant

Tear Resistance: High tensile strength

Fluid Resistance: Strike-through resistant

Sterilization: EO Sterilized

Packing: Individually packed, sterile peel open pouch

Shelf Life: Minimum 2 years at delivery. Expiry and batch traceability

Regulatory: DRAP registered

Country of origin: Must be declared

ITB 15.1	Fixed Amount of bid security- Rs. 20,000,000/- in the shape of Deposit at Call, Pay Order, Demand Draft (as per SGA&CD notification dated 25-08-2025)
ITB 16.1	Bid validity period shall be 90 days
ITB 17.1	Financial and Technical Proposals
ITB 18.2 (a)	National institute of Cardiovascular Diseases, Rafiqui H.J Shaheed Road,Karachi.
ITB 18.2 (b)	Name of Project/Scheme: Supply of Electrophysiology Items/Devices. IFB/NIT Title: Procurement of Supply of Electrophysiology Items/Devices. IFB/NIT No. NICVD/TN/Khi/No.17/25-26
Bid Evaluation	
ITB 25.4	Criteria for bid evaluation.

i. Technical Bids / Proposals Evaluation:

- a. The bids not responsive to the MANDATORY QUALIFICATION CRITERIA provided at ITB Clause 13.3(d) shall not be eligible for further Technical Evaluation.
- b. Conditional Bids, Telegraphic Bids, Bids not accompanied by Bid Security of required amount and form, bids received after specific date and time and bids of Black Listed firms shall be treated as rejected / non-responsive.
- c. The bids shall be evaluated and compared on itemized basis.
- d. **Bids are invited as per Single Stage – Two Envelope Procedure** in accordance with sub rule 2 of rule 46 of the Sindh Public Procurement Rules, 2010 (Amended 2019). In case, any bidder encloses the financial bid within the technical bid, the same shall be rejected summarily.
- e. The following merit point system for weighing evaluation factors / criteria will be applied for technical proposals.
- f. Bidders achieving **minimum 70% points / marks** will be considered only for further process besides compliance of all mandatory clauses. Documentary evidence must be attached in support of your claim.

ii. Financial Bids / Proposal Evaluation:

- a) Technically qualified/successful bidder(s) shall be eligible for Financial Proposal(s). The Financial bids shall be opened in the presence of the Bidders at the scheduled date, time and venue communicated in advance.
- b) Financial Bids / Proposals of Technically disqualified / rejected bidders will not be opened and sealed envelope shall be

returned to the bidder.

- c) Bids not accompanied by the Bid Security of required amount and form shall be rejected.
- d) NICVD shall not be responsible for any erroneous calculation of taxes and all differences arising out shall be fully borne by the Successful Bidder.
- e) 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).

Contract Award	
ITB 30.1	NICVD 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 NICVD 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.

Special Conditions of Contract

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

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The NICVD is: National institute of Cardiovascular Diseases, Karachi., Karachi.
GCC 1.1 (h)—The NICVD's country is: Islamic Republic of Pakistan

GCC 1.1 (i)—The Supplier is: _____
[Name and Address of the Bidder]

2. Country of Origin (GCC Clause 3)

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

3. Technical Specifications (GCC Clause 4)

The technical specifications of the goods provided in these bidding document 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 **“ATLEAST 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 Two (2%) percent of the Contract Price in favor of National institute of Cardiovascular Diseases, Karachi., Karachi.

5. Packing (GCC Clause 9)

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

The packing, marking and documentation within and outside the packages shall be as per manufacturer standards meeting the safety requirements of the goods.

6. Delivery and Documents (GCC Clause 10)

GCC 10.2—*For Goods supplied from within the NICVD's country:* The Bidder shall provide the following documents at the time of delivery of goods to the Store / Warehouse of the National institute of Cardiovascular Diseases, 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. Manufacturer's or Bidder's warranty certificate.
- v. Inspection certificate issued by the nominated inspection committee / Bidder's factory inspection report.
- vi. Certificate of origin.

GCC 10.2—*For Goods supplied from abroad as per C&F Karachi:* Upon shipment, the Supplier shall notify the NICVD the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail / submit the following documents to the NICVD at least one week 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.

- (i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) 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 railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- (iii) copies of the packing list identifying contents of each package;
- (iv) insurance certificate;
- (v) Manufacturer's or Supplier's warranty certificate;
- (vi) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and
- (vii) certificate of origin.

7. Insurance (GCC Clause 11)

GCC 11.1— *For Goods supplied from within the NICVD'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 seller's responsibility. Since the Insurance is seller's responsibility they may arrange appropriate coverage.

GCC 11.1— *For Goods supplied from abroad as per C&F Karachi:* The Goods supplied under the Contract shall be *C&F Karachi* under which risk is transferred to the buyer after the goods reached at Karachi port, hence insurance coverage / marine cover note is seller's responsibility. Since the Insurance / marine cover is seller's responsibility they may arrange appropriate coverage.

8. Spare Parts (GCC Clause 14)

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within one (1) months of placing the order on DDP basis and in case of import of part within two (2) months after opening the letter of credit.

9. Warranty (GCC Clause 15)

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,

or

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

10. Prices (GCC Clause 17)

GCC 17.1—No prices adjustment shall be allowed.

11. 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 0.5 % per week 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 contract, the NICVD shall rescind the contract, without prejudice to other courses of action and remedies open to it.

12. Resolution of Disputes (GCC Clause 28)

GCC 28.1—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 NICVD and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the SPP Rules, 2010 (Amended 2019).

13. Governing Language (GCC Clause 30)

GCC 30.1—The Governing Language shall be ENGLISH

14. 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**

15. Notices (GCC Clause 31)

GCC 31.1—NICVD's address for notice purposes:

Head of Procurement
National institute of Cardiovascular Diseases,
Rafiqi H.J Shaheed Road Karachi.
Phone No. + 92-21-99201289

Supplier's address for notice purposes:

Name of Bidder: _____

Name of Contact Person & Designation: _____

Phone No. _____

Fax No. _____

Mobile Phone No. _____

Email Address _____

N.I.C.V.D

Schedule of Requirements

1. For Goods supplied from within the NICVD's country (DDP Basis)

S#	Description of Goods	Qty.	Required Delivery Schedule	Location
01.	As per the details of items attached in Section V – Technical Specifications		Delivery within 10 days or earlier from the date of Contact Award	National institute of Cardiovascular Diseases, Karachi., Karachi (NICVD)

N.I.C.V.D

1. Bid Form and Price Schedules

NIT / IFB N°: _____

Date: _____

To: *[name and address of NICVD]*

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 NICVD.

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

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

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

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state -none)

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

Dated this _____ day of _____ 20_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

TENDER PROFORMA FOR FINANCIAL BID

Tender No. 3B/2025, Dated: 20-04-2026

FOR THE YEAR 2025-2026 & 2026-2027

Annual Tender for Supply of Electrophysiology Items (As per List)

Sr.#	Description	Qty.	Unit	Model #	Make	Country of Origin.	Warranty	C & F Price	Rate per Unit F.O.R. Price	Total F.O.R. Price	Delivery Period

Signature

Official Seal

TENDER PROFORMA FOR TECHNICAL BID
Tender No. 3B/2025, Dated: 20-04-2026
FOR THE YEAR 2025-2026 & 2026-2027

Annual Tender for Supply of Electrophysiology Items (As per List)

Sr.#	Description	Specification of Quoted items	Qty.	Unit	Model #	Make	Country of Origin.	Warranty	Delivery Period

Signature

Official Seal

Note : Country of origin of —MAJOR PART(S) OF THE EQUIPMENT must be clearly reflected separately in the Technical and Financial bids. The —Origin means the place where the —goods are mined, grown, or produced.

2. Bid Security Form

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

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called –the Bank \parallel), are bound unto *[name of Procuring agency]* (hereinafter called –the Procuring agency \parallel) in the sum of for which payment well and truly to be made to the said NICVD, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ___ day of _____ 20_.

THE CONDITIONS of this obligation are:

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

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

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

[signature & Seal of the bank]

3. Contract Form

THIS AGREEMENT made the _____ day of _____ 20____ between [name of NICVD] (hereinafter called –the NICVD) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called — the Supplier) of the other part:

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

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

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

3. In consideration of the payments to be made by the NICVD to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the NICVD to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

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

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

Signed, sealed, delivered by _____ the_ (for the NICVD)

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

4. Performance Security Form

To: *[name of NICVD]*

WHEREAS *[name of Supplier]* (hereinafter called –the Supplier) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 20. 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 draft 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 20. ____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

5. Manufacturer's Authorization Form

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

To: *[name of the NICVD]*

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.

We hereby undertake that we will provide the complete after sale services support in case of agency transfer.

[signature for and on behalf of Manufacturer]

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

6. Integrity Pact

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

Contract Number: _____ Dated: _____
Contract Value: _____
Contract Title: _____

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

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

[Name of Supplier/Contractor/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 PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

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

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

[NICVD]

[Supplier /Contractor/Consultant]

National Institute of Cardiovascular Diseases

Rafiqi (H.J) Shaheed Road, Karachi
Tel. No. 3521-8530, 9920-1271-75 Ext. 419 & 335, Fax: 9920-1289
Website: www.nicvd.org

Ref: NICVD/TN/Khi/No.17/25-26

TENDER NOTICE FOR NICVD KARACHI Tender No. 3B-2025 & 06-2025 (Re-Tender)

Online Tenders through EPAD SPPRA addressed to Executive Director NICVD, Karachi are invited under SPPRA rules, 2010 (Amended 2019) from well reputed Manufacturers, Authorized distributors, sole agents, must be registered with FBR (for Income Tax) & GST/SRB (for Sales/Service Tax), whichever is applicable, on FOR & C&F basis for the following supply items for the financial year 2025-2026 & 2026-27.

S No.	Description	Tender No.	Quantity & Specifications are available in Tender Documents	Last Date of Submission	Opening Date of Technical Bids	Bid Security
01	Annual Tender for Supply of Electrophysiology Items (As per List)	3B-2025		20-04-2026 Monday At 11:00 a.m.	20-04-2026 Monday At 11:30 a.m.	20,000,000/-
02	Supply of PTMC and Angioplasty package items for Zakat/Donation patient's (As per list)	06-2025 (Re-Tender)		21-04-2026 Tuesday At 11:00 a.m.	21-04-2026 Tuesday At 11:30 a.m.	200,000/-

Bidding documents should be downloaded from EPADs (SPPRA) & should submit pay order/cash of **Rs. 3000/-** for each tender in the name of Executive Director, NICVD Karachi for each tender from **03-04-2026**.

Bids should be submitted in EPAD SPPRA (<https://portalsindh.eprocure.gov.pk/>), before above submission details. Only Technical bids will be opened online on the above mentioned date and time in the presence of Tender Opening Committee. Financial bid will be opened a few days later, after scrutinizing the technical bids.

All tenders will be accepted along with a pay order/bank draft for the Fixed Amount of the bid security (as per SGA&CD notification dated 25-08-2025) in the name of the Executive Director, NICVD, Karachi, submitted to the Procurement department half an hour before the opening of bids.

Note: Single Stage Two envelope procedure will be followed.



EXECUTIVE DIRECTOR

Note:

Evaluation criteria would be strictly followed.
This advertisement is also available on EPADS & NICVD website.

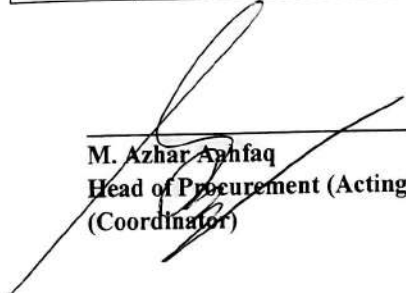
National Institute of Cardiovascular Diseases

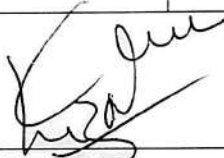
Rafiqi (H.J) Shaheed Road, Karachi
Tel No: 35218530, 99201271 Ext-419, Fax 99201289.

Dated: 26-03-2026

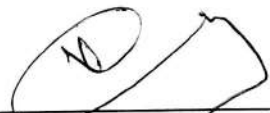
ESTIMATED COST


S/No.	Tender No.	Tender Title	Estimated Cost (Approx)
01	03B-2025	Annual Tender for Supply of Electrophysiology Items	<u>Rs.- 2 Billion</u>


M. Azhar Anhaq
Head of Procurement (Acting)
(Coordinator)



Dr. Ghazala Irfan
Associate Professor, Electrophysiologist
(Member)


Dr. Muhammad Mohsin
Assistant Professor, Pediatric Cardiac
Electrophysiology
(Member)


Mr. Kamran Baig
Head of Accounts
(Member)


Faisal Umer
Head of Internal Audit

Approved By:


Dr. Faisal Qadir
Associate Professor, Electrophysiology
(Chairman Purchase Committee)


Prof. Tahm Sagnir
Executive Director

Dated: 03-04-2026

On page: 05

In size: 17 x 4

DAWN

cross-border ter-
n Afghanistan.”
rticipation is a
of our core con-
added.

the talks, the
made clear
ld be no change
n's ongoing mili-
re. “Operation
l Haq is on, and
ity forces took
ctions a few days
l. So, there is no
that operation
talks,” he said.

rrrent engage-
ows a pause in
announced
dul Fitr nearly a
ago. No major
etween the two
have been
since, although
ation remains

which has
regional stabil-
unterterrorism,
facilitating dia-
ner than acting
l mediator.

ats described
ent round as
y, aimed at tes-
ons and prepar-
el engagement.
they said, would
n whether the
ide takes con-
s against mili-
ups operating
rritory.

lks

drabi reiterated
sm that US-Iran
d take place in
g days and said

He said Pakistan's
approach to facilitating
dialogue remained princi-
ple-based. “Our position
is anchored on principles,
on the principles of the
UN Charter, and with the
aim of promoting peace
and stability in the
region,” he said.

Mr Andrabi clarified
that Pakistan's role would
remain limited to facilitation.
“It is up to the parties
to determine the members
of their delegations, as
well as the dates of the
talks, because obviously
our role in this context is
as facilitator,” he said.

On the scope of engage-
ment, he said Islamabad

challenges, he said
Pakistan would continue
its efforts. “Whilst chal-
lenges and obstacles could
be there, we would con-
tinue our pursuit of facili-
tation and our advocacy
for dialogue – in complete
earnestness,” he said.

The remarks came after
nearly a month of conflict,
during which only limited
exchanges through inter-
mediaries had taken
place. Tehran has main-
tained that these do not
constitute formal negotia-
tions, citing deep mis-
trust, and has rejected US
proposals while insisting
on guarantees before
entering talks.

security situation.

Maulana Fazl hosted lunch in honour of the
Chinese delegation. Both sides exchanged
views on the US-Israeli war against Iran,
terming it a violation of international law and
Tehran's sovereignty.

The discussion also highlighted
convergence of views between JUI-F and
China regarding the China-Pakistan
Economic Corridor and regional peace, noting
that such alignment would benefit the region.

Both sides stressed the need for peace
and stability in the region and agreed to
promote peaceful means to resolve conflicts.
They warned that failure to achieve an
immediate ceasefire could have serious
economic consequences not only for the
Middle East but also for Europe and the
wider global economy.—Kalbe Ali



NATIONAL INSTITUTE OF CARDIOVASCULAR DISEASES

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Note: Single Stage Two envelopes procedure will be followed.

Note:

1. Evaluation criteria would be strictly followed.
2. This advertisement is also available on EPADS & NICVD websites.

EXECUTIVE DIRECTOR

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جو اوبدار گهر مان 5 لک روڪ ۽ سون به کڻي ويا. مومار ڏمڪيون پيا ڏيڻ

معاملي جو نوٽيس وٺي تحفظ ۽ انصاف فراهم ڪيو وڃي: صحافين آڏو ڏانهن

پتي مومار ڏمڪيون ڏئي رهيا آهن. هن وڌيڪ چيو ته جو اوبدار گهر اندر داخل ٿي ڪري گهر ۾ پيل 5 لک ۽ ٽي ٽولا سون به هٿيارن جي زور تي کڻي ويا آهن. هن اهو پڻ ٻڌايو ته جو اوبدار بالتر آهن. گهرا نتيجا پورڙن جو ڏمڪيون ملڻ بعد اسان پاڻ کي غير محفوظ محسوس ڪري رهيا آهيون. هن ايس ايس بي نوشهروفيروز کان معاملي جو نوٽيس وٺي، واقعي جي شفاف جاچ ڪري تحفظ ۽ انصاف فراهم جو مطالبو ڪيو آهي.



محرابپور (رپورٽ: آصف علي سيال) محرابپور ۾ بيواه عورت جو بائرن جي ميٽا زيادتين خلاف احتجاج واقعي جي شفاف جاچ ڪري جو اوبدار گرفتار ڪرڻ مطالبو ڪيو ان حوالي سان محرابپور جي وارڊ نمبر 16 نيوٽائون واري علائقي جي ملتان کي ڪالوني واسٽ بيواه عورت مونا وٽو عوامي پريس ڪلب پهچي صحافين آڏو ڏانهن چيو ته ڪجهه ڏينهن اڳ منهنجي پانچي غلام رسول راجپوت منهنجي گهر اندر داخل ٿي ڪري مون کي بيوهوش ڪرڻ بعد پستل جي زور تي منهنجي اٽڪل 15 ورهين ڌي کي زيادتي جو نشانو بڻايو هن وڌيڪ چيو ته اهڙي معاملي جو اظهار اسان سان ڌي گذريل ڏينهن ڪيو جنهن بعد اسان فوري طور تي ٿاڻي تي پهچي پوليس کي اطلاع ڪيو جنهن ميڊيڪل ليٽر ڏئي اسپتال روانو ڪيو جتي نينگري جا جزا ورتا ويا، جيڪي چڪاس لاءِ لپبارٽري ڏانهن به اماڻيا ويا آهن. هن وڌيڪ چيو ته اهڙي واقعي جي ڏانهن ڪرڻ تي جو اوبدار غلام رسول راجپوت عبدالله زاجپوت ۽ ياسر

صوبي ۾ امن امان ۽ ڏوهن کي روڪڻ لاءِ جديد ٽيڪنالاجي ڏنڀ آڻيون پيا: اجلاس کي خطاب

ميرپورخاص (بيورو رپورٽ) ڏاڙيلن هٿيار ڦٽا ڪيا. هن چيو ته صوبي آڻي جي سنڌ جاويد عالم اڻوڻو جي ميرپورخاص پهچڻ تي پوليس جي دستي پاران سلامي ڪئي وئي آهي جي سنڌ شهيد پوليس اهلڪارن جي يادگاري ڳالڻ جي جادر چاڙهي ۽ دعا گهري جنهن بعد ميرپورخاص رينج ۾ امن امان جي حوالي سان اهر اجلاس کي خطاب ڪندي هن چيو ته اٽوڻ ميرپورخاص ۾ بطور ڊي آئي جي مقرر رهي چڪو آهيان هتي جا ماڻهن محبت ڪندڙ ۽ پرامن شهري آهن هن چيو ته ميرپورخاص سميت پوري صوبي جي عوام جان مال جي حفاظت ڪرڻ پوليس جو فرض آهي پوليس سنڌ ۾ امن امان قائم رکڻ لاءِ وڏيون قربانيون ڏنيون آهن جنهن سان صوبي ۾ امن امان قائم آهي ڏاڙيلن خلاف آپريشن ۾ مقابلي دوران 33 ڏاڙيل ماري ويا، 100 کان وڌيڪ ڏاڙيلن



NICVD

NATIONAL INSTITUTE OF CARDIOVASCULAR DISEASES

نیشنل انسٹیٹیوٹ آف کارڈیو ویکولر ڊیزیز

رقیقي (ایچ جی) شهید روڈ کراچی

Tel. No. 3521-8530, 9920-1271-75 Ext. 419 & 335, Fax: 9920-1289 Website: www.nicvd.org

Ref: NICVD/TN/Khi/No.17/25-26

NICVD کراچی لاءِ ٽینڊر نوٽيس

ٽینڊر نمبر 3B-2025 ۽ 06-2025 (ري-ٽینڊر)

ايگزیکيوٽو ڊائريڪٽر. NICVD. کراچی ڏانهن لکيل مالي سال 2025_2026 ۽ 2026_2027 واسطي FOR ۽ C&F بنياد تي سٺي ساک وارن مينيوفڪچررز، مجاز دستري بيورٽن، سول انجنٽس جيڪي (اڪٽر ٽيڪس لاءِ) FBR سان ۽ (سليز/سروس ٽيڪس لاءِ) GST/SRB سان لازمي رجسٽرڊ ٿيل هجن. کان SPPRA روزن، 2010 (ترميم ٿيل 2019) تحت هيٺين آئيٽمز جي فراهمي لاءِ EPAD SPPRA جي ذريعي ان لائين ٽينڊرز گهرائجن ٿا.

نمبر شمار	تفصيل	ٽينڊر نمبر	دستاويزن ۽ دستياب آهن	واڪ جمع ڪرائڻ ۽ خريداري جي آخري تاريخ ۽ وقت	ٽيڪنيڪل واڪ ڪولڻ جي تاريخ ۽ وقت	بڊ سيڪيورٽي
1	اليڪٽروفيزيولاجي آئيٽمز جي فراهمي لاءِ ساليانو ٽينڊر (فهرست جي مطابق)	3B-2025	دستياب آهن	20.04.2026	20.04.2026	20,000,000/-
2	زڪوات/ڊونيشن مريضن لاءِ PTMC ۽ اينجيوپلاسٽي پشڪيج آئيٽمز جي (ري-ٽينڊر) فراهمي (فهرست جي مطابق)	06-2025	دستياب آهن	21.04.2026	21.04.2026	200,000/-

بڊنگ دستاويز EPADs (SPPRA) تان ڏاڻوڻ لوڊ ڪرڻ گهرجن ۽ 30.04.2026 کان هر ٽينڊر لاءِ ايگزیکيوٽو ڊائريڪٽر. NICVD. کراچی جي نالي تي هر هڪ ٽينڊر لاءِ Rs.3000/- جو پي آرڊر/روڪ جمع ڪرائڻ گهرجن.

مٿي ڏنل تفصيل جمع ڪرائڻ کان اڳ واڪ EPAD SPPRA (https://portalsindh.eprocure.gov.pk) تي جمع ڪرائڻ گهرجن فقط ٽيڪنيڪل واڪ مٿي ڏنل تاريخ ۽ وقت تي ٽينڊر آڻينگ ڪميٽي ۽ واڪ ڏيندڙن جي موجودگي ۾ مٿي جائز تاريخ ۽ وقت تي آن لائن ڪوليا ويندا. فنانشل واڪ ٽيڪنيڪل واڪن جي چند چاڻ ڪانپوءِ، ڪجهه ڏينهن کانپوءِ ڪوليا ويندا.

سمورا ٽينڊرز ايگزیکيوٽو ڊائريڪٽر. NICVD. کراچی جي نالي تي بڊ سيڪيورٽي جي مقرر ڪيل رقم (SGA&CD) نوٽيفڪيشن تاريخ 25.08.2025 (تحت) جو پي آرڊر / بينڪ ڊرافٽ سان گڏ قبول ڪيا ويندا جيڪا واڪ ڪولڻ کان ڏيڍ ڪلاڪ پهرين پروڪيورمينٽ ڊپارٽمينٽ ۾ جمع ڪرايا ويندا.

نوٽ: هڪ مرحلو هڪ ٻه لافا جي طريقيڪار تي عمل ڪيو ويندو.

نوٽ:

- تشخيصي معيار تي سختي سان عمل ڪيو ويندو.
- هي اشتهار EPADS ۽ NICVD ويب سائٽس تي پڻ موجود آهي.

ايگزیکيوٽو ڊائريڪٽر

اڳي
سائين
زمان
ر لاءِ
وڙي
ڏاڙيلن
آهي.
ڪار
ناتي
ن جي
سان
جي
رو
هي
ڊگي
غير
غبي
الئين
محت
پتي
بنيال
جي
بعال
تيعار
اميا
مقط
ن ۾
ع لاءِ
ماڻهو
ي
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نو ته
نمب
ڪتر
نس
جي
مفت
ون ۽
سيون
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تي
ن گي
ترائي
نارخ
رين
چيو
پشن
ن لاءِ
هي ته
چ ۾
ڊي ته
وڻو
آهي
۽ جي
مد ۾
هڙي
پوت
ڪاتي
کين
۾ نه

1.	Construction and Renovation of Centre of Excellence for Autism at H-8/4, Islamabad	595,153,234	29,000,000	April 20, 2026 02:00 pm	April 20, 2026 02:30 pm
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Conditions:

- ◆ Bidding documents, containing detailed terms and conditions, are available on EPADS (www.eprocure.gov.pk). Bids must be submitted electronically through EPADS on or before the date and time mentioned above. No bid shall be accepted after the closing time. Manual submission of technical bids is not required.
- ◆ Bidders shall submit all required documents in the technical bids, duly signed and stamped, including firm profile, address, authorized representative details, valid PEC registration (relevant category and codes), tax registration certificates, and completion certificates of similar works executed during the last eight (08) years, as specified in the bidding documents.
- ◆ Bid security, in the form of a Call Deposit in favour of the Director (Admin), DGSE, Islamabad, issued by a scheduled bank, shall be uploaded with the bid. In addition, the original hard copy of the bid security must be submitted at the prescribed address before the closing time failing which, the bid shall be rejected.
- ◆ A pre-bid meeting will be held on April 07, 2026 at 02:00 PM in the Committee Room, DGSE, Hanna Road, G-8/4, Islamabad, for clarification of the bidding documents.
- ◆ The procurement shall be conducted in accordance with the Public Procurement Rules, 2004, e-Pak Procurement Regulations, 2023, and applicable guidelines issued by PPRA from time to time.
- ◆ The Procuring Agency reserves the right to reject all bids prior to acceptance, in accordance with the applicable procurement rules.

Project Director Center of Excellence for Autism
Directorate General of Special Education, Ministry of Federal Education and Professional
Hanna Road G-8/4, Islamabad, 051-9107542 **PID (I) 7997/25**



نیشنل انسٹیٹیوٹ آف کارڈیو ویکسولر ڈیزیز
ریشی (ایچ ہے) شہید روڈ کراچی۔

Tel. No. 3521-8530, 9920-1271-75 Ext. 419 & 335, Fax: 9920-1289 Website: www.nicvd.org
Ref: NICVD/TN/Khi/No.17/25-26

ٹینڈر نوٹس برائے NICVD کراچی

ٹینڈر نمبر 3B-2025&06-2025 (دوبارہ ٹینڈر)

برائے مالیاتی سال 2025-2026 & 2026-27 مندرجہ ذیل سہلانی آئٹمز کیلئے FOR & C&F بنیاد پر خوب مشہور و معروف مینوفیکچررز، مجاز ڈسٹری بیوٹرز، سول انجینئرز جو FBR (برائے آئٹمز) اور GST/SRB (برائے سٹرا/سروس ٹیکس) جو بھی قابل اطلاق ہے، سے لازماً رجسٹرڈ ہوں، سے SPPRA رولز 2010ء (ترمیم شدہ 2019) کے تحت بذریعہ EPADSPPRA آن لائن ٹینڈرز بنام ایگزیکٹو ڈائریکٹر NICVD کراچی مطلوب ہیں۔

نمبر شمار	تفصیل	ٹینڈر نمبر	پیشکشیں جمع کرانے اور خریدنے کی آخری تاریخ اور وقت	ٹیکنیکل پیشکشوں کے کھلنے کی تاریخ اور وقت	بڈ سکورٹی
01	سالانہ ٹینڈر برائے ایکسٹرنل پالیسی آف فرامی (بمطابق فہرست)	3B/2025	20-04-2026 صبح 11:00 بجے	20-04-2026 صبح 11:30 بجے	20,000,000/-
02	PMTTC اور انجیو پلاستی سیکنج آف فرامی برائے زکوٰۃ کی امداد کے مستحق مریض (بمطابق فہرست)	06/2025 (ری ٹینڈر)	21-04-2026 صبح 11:00 بجے	21-04-2026 صبح 11:30 بجے	20,000,000/-

بڈنگ دستاویزات (SPPRA) EPADS سے ڈاؤن لوڈ کی جاسکتی ہیں اور ہر ایک ٹینڈر کے لئے ایگزیکٹو ڈائریکٹر NICVD کراچی کے نام پر 3,000/- روپے کے پے آرڈر نقد کے ساتھ 03-04-2026 سے جمع کرایا جائے۔

پیشکشیں مندرجہ بالا مع کرانے کی تفصیلات سے قبل (EPAD SPPRA (https://portalsindh.eprocure.gov.pk) سافٹ ویئر میں جمع کرانی جائیں۔ صرف ٹیکنیکل پیشکشیں مندرجہ بالا تاریخ اور وقت پر ٹینڈر پانگ کیٹی اور پیشکش دہندگان کی موجودگی میں آن لائن کھولی جائیں گی۔ ٹیکنیکل بڈنگ کی جانچ ہسپتال کے کچھ یوم بعد فائنل پیشکش کھولی جائے گی۔

تمام ٹینڈرز (بمطابق SG&CD نوٹیفیکیشن مورخہ 25-08-2025) مقرر کردہ رقم کی بڈ سکورٹی کے پے آرڈر بینک ڈرافٹ بنام ایگزیکٹو ڈائریکٹر NICVD کراچی بطور بڈ سکورٹی کے ساتھ پیشکشوں کے کھلنے سے آدھے گھنٹے قبل پروکیورمنٹ ڈپارٹمنٹ میں قبول کے جائیں گے۔

نوٹ: ایک مرحلہ دولفا فطریہ اختیار کیا جائے گا۔

نوٹ:

(1) تشخیصی معیار پر سختی سے عمل درآمد کیا جائے گا۔

(2) اشتہار بڈ EPADS اور NICVD ویب سائٹس پر بھی دستیاب ہے۔

ایگزیکٹو ڈائریکٹر

Dated: 06-10-2025

PROCUREMENT DEPARTMENT
DETAILS OF PURCHASE & SERVICES TENDER COMMITTEES
W.E.F: 06-10-2025

Electrophysiology items Committee			
COORDINATORS	COMMITTEE		
M. Azhar Ashfaq Head of Procurement (Acting)	Dr. Faisal Qadir Associate Professor, Electrophysiology, (Chairman)	Dr. Ghazal Irfan Associate Professor, Electrophysiology, (Member)	
End-user / Head of Concerned Dept.	Dr. Muhammad Mohsin Assistant Professor, Pediatric Cardiac Electrophysiology (Member)	Mr. Kamran Baig Head of Accounts (Member)	Mr. M. Haris Qureshi Procurement Specialist, ICCBS, Karachi. (External Member)
Executive Director			

Approved By:

(PROF. TAHIR SAGHIR)
MBBS, FCPS, (CARD), FSCAI, FACC
DIRECTOR CLINICAL RESEARCH
EXECUTIVE DIRECTOR &
CHAIRMAN ACADEMIC FACULTY
NICVD, KARACHI



NICVD TENDER REDRESSAL COMMITTEE

W.E.F: 06-10-2025

Purchase & Services Tenders – Medicine, Laboratory & General Tenders, Building Maintenance, Civil Works, Angiography, Angioplasty, Surgical/Disposable, Theatre Equipment's Medical Equipment's & Electrophysiology Items etc)	
COMMITTEE	
Prof. Suhayb Ahmed Khushk Professor, Cardiac Surgery CHAIRPERSON	
REPRESENTATIVE OF A.G. SINDH GOVT. OF SINDH	REPRESENTATIVE (FOR CONCERNED FIELD)

Approved By:

(PROF. TAHIR SAGHIR)
MBBS, FCPS, (CARD), FSCAI, FACC
DIRECTOR CLINICAL RESEARCH
EXECUTIVE DIRECTOR &
CHAIRMAN ACADEMIC FACULTY
NICVD, KARACHI