Standard Bidding Document

2nd Re-Tender for Electro-Medical Equipment/s of Diabatic / Endocrine Department under PSDP project tilled “Strengthening and Up-Gradation of Cardiology and other Departments during the FY 2025-26 & 2026-27 (Goods)

National

Single Stage-One Envelope

November 20, 2026

FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)),Joint Executive Director
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REQUEST FOR BIDS

PROCUREMENT OF GOODS

1. The **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI))** has reserved Funds for the procurement planned for FY **2026-27**. The **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**2nd Re-Tender for Electro-Medical Equipment/s of Diabatic / Endocrine Department under PSDP project tilled “Strengthening and Up-Gradation of Cardiology and other Departments during the FY 2025-26 & 2026-27**" with the reference of **"P207360"**

2. The **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI))** invites sealed Bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-One Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2026 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amount described in Bid Security Section in Bidding Document in the form of **Pay Order, Call at Deposit** or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **https://epads.gov.pk/opportunities/federal/procurements/207360** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.

6. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through **EPADS v2.0** on or before **Monday, December 14, 2026 09:30 AM**. E-bids will be opened using **EPADS v2.0** on the same day at **Monday, December 14, 2026 10:00 AM**. Manual submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0,** may register themselves on **https://vendors.epads.gov.pk/**. A tutorial to explain the registration process is available at **https://www.youtube.com/watch?v=MNW6T38v7tc**

In terms of Rule 65 of Public Procurement Rules, 2026 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (**www.ppra.gov.pk**).

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Instructions to Bidders

A. Introduction

1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods as specified in the BDS and **in Section V – Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

2. Source of Funds

2.1 Source of funds is referred in Clause-2 I of Invitation for Bids.

3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country**,** or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any

instructions issued by the Authority.

(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).

3.2 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.3 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.

2. have controlling shareholders in common; or

3. receive or have received any direct or indirect subsidy from any of them; or

4. have the same legal representative for purposes of this Bid; or

5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or

6. Submit more than one Bid in this Bidding process.

3.4 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;

2. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or submission of false or misleading information or performance failure or involved in disrupting procurement process or due to breach of bid Securing Declaration.

3.5 As and when required, bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.6 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 **The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.**

6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. Bidding Documents

7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 10.1** include:

Section I -Invitation to Bids

Section II Instructions to Bidders (ITB)

Section III Bid Data Sheet (BDS)

Section IV Evaluation Criteria, Specifications, Schedule of Requirements

Section V Bid Forms

Section VI General Conditions of Contract (GCC)

Section VII Special Conditions of Contract (SCC)

Section VIII Contract Forms

Section IX Integrity Pact

Section X Declaration of Beneficial Ownership Information.

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through EPADS v2.0 will be at the Bidder’s risk and may result in the rejection of its Bids.

8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through EPADS v2.0**.**

8.2 The Procuring Agency will within two (02) working days after receiving the request for clarification, respond to any request for clarification through EPADS v2.0 provided that such request is received not later than three (03) days, prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 The Procuring Agency's response will be forwarded to all identified Prospective Bidders through EPADS v2.0, including a description of the inquiry,

but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9.**

8.5 If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding document.

8.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on EPADS v2.0. Any modification to the Bidding documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITB 9. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding documents

9.1 Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or Pre-Bid meeting may modify the Bidding documents by issuing addenda through EPADS v2.0.

9.2 The Procuring Agency shall promptly publish the addendum through EPADS v2.0.

Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.3 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through EPADS v2.0:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

C. Preparation of Bids

10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS**.** Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

11. Documents and samples Constituting the Bid

11.1 The Bid prepared by the Bidder shall constitute the documents required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

Documentary evidence established in accordance with ITB 13 that the Bidder is eligible and/or qualified for the subject bidding process;

Documentary evidence established in accordance with **ITB 03** that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;

Documentary evidence established in accordance with ITB 12 that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;

Bid security or Bid Securing Declaration furnished in accordance with **ITB ---.**

12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

12.1 To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods

provided conform to the technical specifications and standards.

13. Documents Establishing Eligibility and Qualification of the Bidder

13.1 Pursuant to **ITB 10,** the Bidder shall furnish, as part of its Bid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

14. Form of Bid

14.1 The Bidder shall fill the Form of Bid furnished in the Bidding document. The Bid Form must be completed without any alterations to its format and no substitute shall be accepted.

15. Bid Prices

15.1 The Bid Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 **All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.**

15.3 In the event that any item(s) in the Price Schedule are not quoted, and such omission is determined by the Procuring Agency not to materially affect the responsiveness of the Bid, the Procuring Agency may, for the sole purpose of bid evaluation and comparison, assign a price to the unquoted item(s) in accordance with the following methodology:

(a) The assigned price shall be the average of the prices quoted for the same item(s) by all substantially responsive bidders; or

(b) In cases where no comparable quotations are available, the Procuring Agency shall apply the corresponding item price from its duly approved cost estimate for evaluation purposes.

The prices so assigned shall be utilized exclusively for bid evaluation and comparison, and shall not, under any circumstances, be incorporated into or form part of the Contract Price.

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 13.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 42 (2) of the Public Procurement Rules, 2026.

17. Bids Validity Period

17.1 Such extensions may be more than one time but the total period of such extension shall not exceed the original bid validity period.

17.2 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive**.** The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids through EPADS v2.0,. The Bid Security provided under **ITB 17** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with Rule 36 of the Public Procurement Rules, 2026.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder’s conduct which would warrant the security’s forfeiture, pursuant to **ITB 18.7.**

18.5 The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the BDS which shall be in any of the following:

a) a bank guarantee, a bank draft, an irrevocable letter of credit issued by a Scheduled bank in the form provided in the Bidding Documents or another form acceptable to the Procuring Agency;

b) a cashier’s or certified cheque; or

c) another security if indicated in the BDS.

The Bid Security shall be valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18.7** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the procuring agency pursuant to **ITB 17.** The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security documents, after whichever of the following that occurs earliest:

a. the expiry of the Bid Security;

b. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;

c. the rejection by the Procuring Agency of all Bids;

d. cancellation of procurement proceedings.

e. the withdrawal of the Bid prior to the deadline for the submission of Bids, unless the Bid document stipulates that no such withdrawal is permitted.

18.8 The successful Bidder's Bid Security will be discharged upon the Bidder signing the contract**,** or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

a. if a Bidder:

b. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 16.2**; or

c. does not accept the correction of errors**;** or

d. in the case of a successful Bidder, if the Bidder fails:

e. to sign the contract; or

f. to furnish Performance Guarantee**.**

19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0.

20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition before bid submission deadline through EPADS v2.0.

D. Submission of Bids

21. Submission of Bids through EPADS v2.0 before bid submission deadline.

21.1 The Technical and Financial Bids, shall be submitted electronically through EPADS, before bid submission deadline. The bid submission option shall be automatically disabled once the deadline is over.

22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through EPADS v2.0 before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

E. Opening and Evaluation of Bids

23. Opening of Bids

23.1 The respective Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The respective Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fails to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day at the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Bid respective Evaluation Committee.

23.6 No bid will be rejected at the time of bid openning except for bids whose original bid security has not been provided to the procuring agency before bid submission deadline.

24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the respective Bid Evaluation Committee may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 before **three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the bids which in any way affect the following parameters will be considered as a change in the substance of a Bid:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;
5. terms and conditions of Bidding documents.
6. change in the ranking of the Bidder

24.4 From the time of bid(s) opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the respective Bid Evaluation Committee will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;

2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;

3. is accompanied by the required securities; and

4. is substantially responsive to the requirements of the Bidding documents.

25.2 The respective Bid Evaluation Committee's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

25.3 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;

2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or

3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.4 If a Bid is not substantially responsive, it will be rejected by the respective Bid Evaluation Committee and may not subsequently be evaluated for complete technical responsiveness.

26. Examination of Terms and Conditions; Technical Evaluation

26.1 The respective Bid Evaluation Committee shall examine the Bids to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.

26.2 The respective Bid Evaluation Committee shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the respective Bid Evaluation Committee determines that the Bid is not substantially responsive in accordance with **ITB,** it shall reject the Bid.

27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. if there is a discrepancy between unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the respective Evaluation Committee there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;

2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and

3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will be adjusted by the respective Bid Evaluation Committee in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

28. Conversion to Single Currency

28.1 For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency in accordance with Rule 42(2) of Public Procurement Rules,2026.

29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria prescribed in the Bidding Documents in accordance with Rule 11, 12 and 13 of the Public Procurement Rules, 2026.

29.2 While evaluating the bids, the procuring agency shall consider the following:

i. Bids will be evaluated on lump sum bid basis or items wise or Lot wise (contracts), as specified in the BDS; and the Bid Price;

ii. correction of arithmetic errors in accordance with ITB 27;

30. Domestic Preference

30.1 The respective Bid Evaluation Committee shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of the Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

31. Determination of Successful Bid

31.1 **Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.**

31.2 **Least Cost Based Selection (LCBS)**
After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

31.3 **Quality and Cost Based Selection (QCBS)**
In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

31.4 **Quality Based Selection (QBS)**
After meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk

management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second highest bidder and so on.

31.5 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or

2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in Evaluation Criteria to be evaluated while determining the quality of the goods.

31.6 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(xxviii) of the Public Procurement Rules, 2026.

32. Abnormally Low Financial Bids

32.1 An abnormally low bid is a bid that, in light of the Procuring Agency's cost estimate, market conditions, or other received bids, appears to be unrealistically low and may not be sustainable for successfull contract execution.

32.2 **Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.**

32.3 The Procuring Agency may reject an Abnormally low financial bid in accordance with Rule 43 of the Public Procurement Rules, 2026.

32.4 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bid price with the cost estimate;

2. Comparing the Bid price with the Bid(s) offered by other Bidders submitting substantially responsive Bids; and

3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.5 The respective Bid Evaluation Committee will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.6 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.7 Respective Bid Evaluation Committee may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.8 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bid, in which event the respective Bid Evaluation Committee will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. Award of Contract

33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Successful Bidder.

34. Negotiations

34.1 In accordance with Rule 52A of Public Procurement Rules, 2026, without changing the cost and scope of work or services, the procuring agency may

negotiate with the successful bidder (with a view to streamline the work or task execution, at the time of contract finalization) on methodology, work plan, staffing and special conditions of the contract.

There shall be no limitation on the successful bidder offering voluntary reduction in bid price without affecting the quality or scope of the procurement.

35. Procuring Agency's Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 45 of the Public Procurement Rules, 2026.

36. Cancellation of Procurement

36.1 The procuring agency reserves the right to cancel the procurement proceedings in accordance with Rule 46 of the Public Procurement Rules, 2026.

37. Procuring Agency’s Right to Vary Quantities at the Time of Award

37.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

38. Notification of Award

38.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on EPADS v2.0 in accordance with Rule 48 of the Public Procurement Rules, 2026.

The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

38.2 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

39. Signing of Contract

39.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

39.2 Immediately after the Redressal of grievance by the GRC (if any), and **after fulfillment of all conditions precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

40. Corrupt & Fraudulent Practices

40.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid engaging in any corrupt and fraudulent practices.

F. Grievance Redressal & Complaint Review Mechanism

41. Constitution of Grievance Redressal Committee

41.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 65 of the Public Procurement Rules, 2026 read with Redressal of Grievances Regulations, 2021.

In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 65(7) of the Public Procurement Rules, 2026 to be read with Redressal of Grievances Regulations, 2021.

G. Mechanism of Blacklisting

42. Mechanism of Blacklisting

42.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Rule 25 of the Public Procurement Rules, 2026.

42.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 25 (6) of the Public Procurement Rules, 2026 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.

43. Contract Management

43.1 For each procurement, the Procuring Agency shall designate a Contract Manager, who shall be duly responsible for the efficient management and administration of the contract in strict compliance with the provisions set forth under Rules 58, 59, and 60 of the Public Procurement Rules, 2026.

44. Inspection of goods and evaluation of services.

44.1 The Inspection Committee or the Firm shall have the right to conduct inspections of the goods in accordance with Rule 61 of the Public Procurement Rules, 2026.

45. Socio-economic development.

45.1 In accordance with Rule 63 of the Public Procurement Rules, 2026, preference may be granted to small and medium enterprises and marginalized groups in accordance with the policies notified by the Federal Government.

46. Environmental objectives

46.1 As per Rule 64 of the Public Procurement Rules, 2026, the procuring agency may seek to procure goods with a reduced environmental impact throughout their life cycle when compared to goods services with the same primary function that may otherwise be procured.

Bid Data Sheet

Bids Data Sheet (BDS)

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

BDS Clause Number
ITB Number
Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. Introduction

BDS Clause Number 1
ITB Number 1.1

Name of Procuring Agency: **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI))**

The subject of procurement is: **2nd Re-Tender for Electro-Medical Equipment/s of Diabatic / Endocrine Department under PSDP project tilled "Strengthening and Up-Gradation of Cardiology and other Departments during the FY 2025-26 & 2026-27**

Period for Provision of Goods:

Extension Period (if applicable):

Expected commencement date: **Thursday, February 25, 2027**

BDS Clause Number 2
ITB Number 2.1

Source of funds [Enter source of funds]

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P207360**

Identification Number:

BDS Clause Number 3
ITB Clause Number 3.1

Eligible Bidder [Enter eligibility of bidder]

JV/Consortium or Association Allowed: **No**
Number of JV/Consortium Members: **Nil**
see section of eligibility criteria.

B. Bidding Documents

BDS Clause Number 4

ITB Clause Number 4.1

Eligible goods and related services [Enter requirements for eligible goods and related services, if any]

ITB Number 8.1

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Friday, December 11, 2026
Pre-Bid Meeting: Tuesday, November 24, 2026 10:00 AM
Venue: FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD

ITB Number 8.2

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Friday, December 11, 2026
Pre-Bid Meeting: Tuesday, November 24, 2026 10:00 AM
Venue: FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD

ITB Number 8.3

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Friday, December 11, 2026
Pre-Bid Meeting: Tuesday, November 24, 2026 10:00 AM
Venue: FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD

ITB Number 8.5

Pre-bid meeting will be/will not be held [Tick the appropriate] If yes write down the time, and date of the pre-Bid meeting:
[The meeting should take place not later than one weeks before the deadline for Bid submission.]

C. Preparation of Bids

BDS Clause Number 5
ITB Number 10.1

The Language of all correspondences and documents related to the Bids shall be in: **English**

List of documents required along with the bid:

1. Technical brochures/Literature brand country of origin ofquoted item/material must be attached with the bid where applicable

2. Quality Certification: as per mentioned in the each item/s specification

3. Under taking on company/bidder letterhead that bidder will provide sample and arrange demonstration of the quoted equipment if needed by the committee

BDS Clause Number 6
ITB Number 11.1

Documents required / not required with bid submission [enter list of documents] Samples required / not required with the bid [Enter the names and number of samples]
Items/Lots and their related documents:
See section items and Lots

BDS Clause Number 7
ITB Number 12.1

Items / Lots Specifications:

see section of items specifications.

BDS Clause Number 8
ITB Number 15.6

The price shall be **Fixed**.

BDS Clause Number 9
ITB Number 16.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 10
ITB Number 17.1

The Bids/Bid Validity period shall be: **120 Days**

BDS Clause Number 11
ITB Number 18.1

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**
Instrument of Bid Security shall be in the Name of : **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI)**
The Bid Security shall be in the form of: **Pay Order, Call at Deposit**

ITB Number 18.2

The address for submission of original bid security is [Insert the address for bid security submission]

D. Submission of Bids

BDS Clause Number 12
ITB Number 20.1

Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory before bid submission deadline.

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Monday, December 14, 2026 09:30 AM**

Day *:* ***Monday***

Date: ***Monday, December 14, 2026***

Time *:* ***10:00 AM***

E. Opening and Evaluation of Bids

BDS Clause Number 13
ITB Number 23.1

The Bids opening shall take place on **EPADS v2.0**.

Day *:* ***Monday***

Date: ***Monday, December 14, 2026***

Time *: **10:00 AM***

ITB Number 29.2

The procuring agency shall consider the following:
lump sum bid basis; or
items wise; or
Lot wise (contracts),

ITB Number 30.1

BDS Clause Number 14
ITB Number 31.1

Domestic Preference [applicable / not applicable]

ITB Number 31.2

Selection technique adopted will be:
The Procuring Agency shall use any of the following evaluation techniques for determination of successful bid.

Least Cost Base Selection (LCBS)
Quality and Cost Based Selection (QCBS)
Quality Based Selection (QBS)
[Insert the Evaluation Technique]

Selection technique adopted will be: **Least Cost Based Selection (LCBS)**
see Evaluation Criteria

F. Review of Procurement Decisions

BDS Clause Number 15
ITB Number 41.1

Grievence against this procurement shall be submitted online on EPADS v2.0.

Arbitrator shall be appointed by mutual consent of the both parties.

ITB Number 42.2

The Address of PPRA Grievance Redressal Appellate Committee to submit a copy of grievance:

Grievance Redressal Appellate Committee,
Public Procurement Regulatory Authority
1st Floor, G-5/2, Islamabad, Pakistan

Tel: +92-51-9202254

Eligibility Criteria

All Active Taxpayers shall be eligible to participate in the procurement process, unless expressly excluded or otherwise restricted under the Eligibility Criteria specified by the Procuring Agency.

Required Registration
NADRA CITIZENSHIP (CNIC/NICOP)
FBR (NTN)
FBR (GSTN)
DRAP

Eligibility Criteria	Document
Legal name, registered address, ownership status, telephone, email and names of directors, partners or proprietor.Attach SECP (if applicable) /registration of firms or other applicable registration.	Yes
Name, Designation & specimen signature of owner/authorized person of the firm along with CNIC copies	Yes
Authorization from Manufacturer or through its Sole Agent. In case of Distributor/sole agent the bidder must provide valid sole authorization, all quoted product/s issued by the manufacturer or its exclusive sole agent. If manufacturer is directly applying, he will attach proof of its manufacturing. If the bidder participates as general order supplier for general items, then proof of registration as general order supplier should be attached	Yes

After-Sales services Infrastructure The bidder must attach undertaking on legally Stamp paper / E-Stamp attested by Notary public or Oath Commissioner regarding After Sale services Infrastructure for maintenance/service during the warranty period & or as per specifications/as appropriate for each item	Yes
Declaration of Main equipments and its Accessories The bidder must clearly declare on legally Stamp paper / E Stamp duly attested by Notary public or Oath Commissioner the make, model, and country of origin and manufacturing of all quoted medical equipments alongwith its accessories. (If the origin of accessories different from the main equipment, then should be mentioned separately)	Yes
Firm must have at least one (01) PEC Registered biomedical Engineer with three (03) years' relevant experience for Bio/electro-medical equipments (attached PEC registration/ Valid PEC card/ online proof of registration)	Yes
Valid DRAP establishment license for the manufacturer or importer or Distributor. DRAP Valid registration, enlistment or market authorization for each quoted medical device, as applicable. Where exemption allowed by DRAP, documentary evidence of exemption shall be provided	Yes
The bidder will provide account maintenance certificate along with bank statement of the concerned account registered with FBR, for the last three fiscal years duly verified	Yes
The bidder will provide Income Tax/Sale Tax Return statement issued by FBR for the last three (03) financial year.	Yes
The bidder/vendor should have minimum 03 years' experience for supply of Bio/electro medical equipment to public sector hospitals/Tertiary care Hospitals independently or through International Agencies and NGO's (attach documentary proof).	Yes
The bidder must submit an affidavit on legally notarized stamp paper/ E-stamp duly attested by Notary public or Oath Commissioner declaring that the firm has not been blacklisted/Debarred by any Federal or Provincial Government department, or any public sector organization within Pakistan.	Yes

The bidder must attach undertaking on legally notarized stamp paper/ E-stamp duly attested by Notary public or Oath Commissioner that it has no litigation(s) or arbitrary cases against the bidder by any department, is not insolvent, in receivership, bankrupt or being penalized and its activities or affairs are not suspended or being administered under any Act, by a court or by a judicial officer.	Yes
The bidder must attach undertaking on legally notarized stamp paper/ E-stamp duly attested by Notary public or Oath Commissioner that none of its quoted product/items supplied in public sector Institutions has been declared spurious, adulterated & misbranded during the last three(03 years) till the closing date of this tender.	Yes
The bidder must attach undertaking on legally notarized stamp paper/ E-stamp duly attested by Notary public or Oath Commissioner that item/s for which the firm intends to apply shall be made freely available for delivering the supplies and will be supplied at FGPC by the bidder at its own expense. All freight/damages including installation will be the responsibility of the vendor.	Yes
The bidder must attach undertaking on legally Stamp paper / E-Stamp duly attested by Notary public or Oath Commissioner that the quoted item/medical equipment’s/Instruments should be genuine /original parts manufactured and warrantied as per bidding documents.	Yes
The bidder must attach undertaking on legally Stamp paper / E-Stamp duly attested by Notary public or Oath Commissioner that all documentation submitted with the bid is valid, authentic and genuine. No facts have been hidden and no forgery/false declaration has been made. If any such discrepancy is found at any stage, the bidder will be fully responsible for such miscommunication/ concealment of facts and will be liable for disciplinary action under PPRA Rules and tender TORs.	Yes
The bidder must attach undertaking on legally Stamp paper / E-Stamp duly attested by Notary public or Oath Commissioner that the offered discount in the tender is not less than the offered discount in any other government hospital on same TOR’s & same fiscal year. In case of any discrepancy found at any stage, the vendor will be bound to refund the excess amount through challan in government treasury or excess amount will be deducted from the outstanding bills/CDR.	Yes

The bidder will attach an undertaking on legally Stamp paper / E-Stamp duly attested by Notary public or Oath Commissioner regarding acceptance of tender documents including terms & conditions and specifications.	Yes

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Evaluation Criteria

Eligibile bidder(s) with substantially responsive bid(s) offering **Least Cost Based Selection (LCBS)** shall be consider for the award of contract(s).

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %
100

Technical Marks	100
Passing Marks	**70**
Technical Evaluation Criteria	
PEC Registered Engineer (Biomedical) (Documentary evidence of employment & experience should be attached) (Quantitative)(Doc Required) 03 Biomedical Registered Engineers with 03 years relevant experience & valid PEC registration/Card/Online verified documents (on the pay roll of firm for the last six month **(15)** 02 Biomedical Registered Engineers with 03 years' experience &valid PEC registration/Card/Online verified documents (on the pay roll of firm for the last six month **(10)** 01 Biomedical Registered Engineers with 03 years' experience &valid PEC registration/Card/Online verified documents (on the pay roll of firm for the last six month **(5)**	15

Availability of proper Office & workshop with proper tools/technical staff for service/maintenance/repair of relevant medical equipment’s (Attached evidence of ownership/ lease/ authorization address, dated inventory, serial numbers tools/equipment, attached). A valid calibration certificate/workshop authorization, list of available tools and equipment, shall also be provided on duly attested legal stamp paper/e-stamp, duly attested by an Oath Commissioner or Notary Public) (Doc Required (Quantitative)(Doc Required) Evidence of established office and workshop within twin cities i.e Islamabad/ Rawalpindi plus in other cities of Pakistan **(15)** Only Islamabad and Rawalpindi **(10)** Other than Islamabad and Rawalpindi **(5)**	15
Number of contracts/installation of quoted / relevant Electro medical/bio-medical equipment in public sector/ Tertiary health care Hospital during last 5 years. Each contract must involve supply, installation and commissioning of the same category or a pre-defined comparable category of biomedical/electro medical equipment. (Evidence: purchase order or contract plus delivery, installation, commissioning or acceptance record (Quantitative)(Doc Required) 05 or above **(20)** 4 **(16)** 3 **(12)** 2 **(8)** 1 **(4)**	20

Vendor Past Performance of quoted/relevant equipment’s only in public sector/tertiary care Hospital. Satisfactory report/certificate issued by the public sector/tertiary care hospitals regarding provision of performance report regarding services/performance of quoted equipment. The certificate should be issued by End-user/HOD and verified by authority of the hospital (Quantitative)(Doc Required) 05 or above **(20)** 4 **(16)** 3 **(12)** 2 **(8)** 1 **(4)**	20
Financial Capability ; Assessed based on annual business turnover (supported by financial statements for the last fiscal year): (Attach documentary evidence of FBR Tax return statement/ concerned bank statement/ certificate) ((Quantitative)(Doc Required) >200 million **(20)** >100 million to 200 **(15)** >50 million to 100 million **(10)** 10 million to 50 million **(5)**	20
The bidder is registered in FBR/EPADS as Manufacturer or sole agent or Authorized distributor or general order supplier (Quantitative)(Doc Required) Manufacturer or sole agent **(10)** Authorized distributor or general order supplier **(5)**	10

Items/Lots

Items Without Lots :

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
Ankle/TOE Brachial Index Probe	Medical equipment and instrument disinfectant washing equipment	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	125000 PKR	Any	5 Years
Autoclave Hybrid	Steam autoclaves or sterilizers	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	18000 PKR	Any	5 Years

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
DEXA SCAN MACHINE	Medical ultrasound bone densitometers	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	361000 PKR	Any	5 Years
ElectroHydraulic Moveable Bed	Patient bed or table scales for general use	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 10/Qty	10/Qty	80000 PKR	Any	3 Years

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
Defibrillator	Mobile medical services automated external defibrillators AED or hard paddles	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	19050 PKR	Any	3 Years
HERTEL EXOPHTHALMOMETER	Vision testing stereoscopes	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 2/Qty	2/Qty	13000 PKR	Any	3 Years

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Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
Infusion pump	Intravenous infusion pumps for general use	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 4/Qty	4/Qty	12000 PKR	Any	3 Days
CAD/CAM System with Milling Machine for Diabetic Orthotics	Medical equipment and instrument disinfectant washing equipment	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	70180 PKR	Any	5 Years

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Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
Ophthalmoscope	Ophthalmoscopes or otoscopes or scope sets	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 3/Qty	3/Qty	19500 PKR	Any	3 Years
Patient Examination Couch/Strecher	Patient stretchers	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 4/Qty	4/Qty	8000 PKR	Any	5 Years

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Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
Doppler Enable Ultrasound Machine with Different Probes	Medical ultrasound bone sonometers	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	19050 PKR	Any	5 Years
OCT ANGIO	Ophthalmic visual function analyzers	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 1/Qty	1/Qty	500000 PKR	Any	10 Years

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item	UNSPSC	Delivery Schedule	Quantity	Bid Security	Manufacturer / Dealer Authorization	Warranty
BMI Stadiometer	Patient floor scales	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 3/Qty	3/Qty	1500 PKR	Any	3 Years
Vital Sign Monitor	Multiparameter vital sign units	**Address:** FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory **Schedule:** 120 Days **Quantity:** 6/Qty	6/Qty	108000 PKR	Any	3 Years

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Related Services of Goods:

Yes

Item	UNSPSC	Related Services
Ankle/TOE Brachial Index Probe	Medical equipment and instrument disinfectant washing equipment	as per specific terms and conditions of the bid documents and the specification of the item
Autoclave Hybrid	Steam autoclaves or sterilizers	as per specific terms and conditions of the bid documents and the specification of the item
DEXA SCAN MACHINE	Medical ultrasound bone densitometers	as per specific terms and conditions of the bid documents and the specification of the item
ElectroHydraulic Moveable Bed	Patient bed or table scales for general use	as per specific terms and conditions of the bid documents and the specification of the item
Defibrillator	Mobile medical services automated external defibrillators AED or hard paddles	as per specific terms and conditions of the bid documents and the specification of the item
HERTEL EXOPHTHALMOMETER	Vision testing stereoscopes	as per specific terms and conditions of the bid documents and the specification of the item

Item	UNSPSC	Related Services
Infusion pump	Intravenous infusion pumps for general use	as per specific terms and conditions of the bid documents and the specification of the item
CAD/CAM System with Milling Machine for Diabetic Orthotics	Medical equipment and instrument disinfectant washing equipment	as per specific terms and conditions of the bid documents and the specification of the item
Ophthalmoscope	Ophthalmoscopes or otoscopes or scope sets	as per specific terms and conditions of the bid documents and the specification of the item
Patient Examination Couch/Strecher	Patient stretchers	as per specific terms and conditions of the bid documents and the specification of the item
Doppler Enable Ultrasound Machine with Different Probes	Medical ultrasound bone sonometers	as per specific terms and conditions of the bid documents and the specification of the item
OCT ANGIO	Ophthalmic visual function analyzers	as per specific terms and conditions of the bid documents and the specification of the item
BMI Stadiometer	Patient floor scales	as per specific terms and conditions of the bid documents and the specification of the item

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item	UNSPSC	Related Services
Vital Sign Monitor	Multiparameter vital sign units	as per specific terms and conditions of the bid documents and the specification of the item

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Items/Lot Specification

Items Without Lots :

Item: Ankle/TOE Brachial Index Probe

UNSPSC: Medical equipment and instrument disinfectant washing equipment

Specifications / Requirementsss:

__EMPTY
Automated Ankle-Brachial Index (ABI) System
Department: ENDOCRINOLOGY
Name: Automated Ankle-Brachial Index (ABI) System
Quantity: 01
Description
1 Brand
2 Make & Model Ankle/TOE Brachial Index Probe
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

__EMPTY
4 Warranty: Five years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user.
If any spare part required during installation or PPM will be responsibility of the firm. Essential spare parts shall remain available for a minimum of 10 years after the expiry of warranty period.
5 Original Technical data sheet
TECHNICAL PARAMETERS
TECHNICAL SPECIFICATION
1. Automated ABI/TBI Measurement System
The system shall be a professional, non-invasive, automated vascular assessment system capable of measuring Ankle-Brachial Index (ABI) and Toe-Brachial Index (TBI) for assessment of peripheral arterial disease, including use in patients with diabetes mellitus and chronic kidney disease.
The system shall provide automated measurement with appropriate cuffs/sensors and software for calculation, display, storage and reporting of ABI and TBI.
2. ABI Measurement
The system shall:
Automatically measure brachial and ankle systolic blood pressures.
Calculate ABI for the right and left lower limbs.
Permit measurement of both upper limbs and both lower limbs.

__EMPTY
Use an automated and standardized measurement protocol.
Provide appropriate cuff inflation and deflation.
Minimize operator-dependent measurement variability.
Display numerical ABI results.
Provide pulse waveform and/or oscillometric information where applicable.
Provide graphical representation of measured signals where available.
Provide automated identification/flagging of abnormal or potentially clinically significant results.
Allow clinical review of the underlying measurement data.
Simultaneous measurement of multiple limbs shall be acceptable but shall not be mandatory, provided that the alternative system provides equivalent or superior accuracy and reproducibility.
3. TBI Measurement
The system shall provide automated Toe-Brachial Index (TBI) measurement.
The TBI system shall:
Measure toe systolic pressure using PPG or an equivalent validated non-invasive technology.
Be suitable for assessment of patients with low toe perfusion.
Provide appropriate toe sensors/cuffs.
Permit assessment of right and left toes.
Calculate TBI automatically.

__EMPTY
Display toe-pressure values.
Display corresponding brachial pressure values.
Provide toe pulse waveform/PPG information.
Provide graphical representation of the measured signal.
Store and retrieve TBI measurements.
The system shall be suitable for patients in whom ABI may be affected by arterial non-compressibility, including patients with diabetes mellitus and chronic kidney disease.
4. Measurement Accuracy
The bidder shall provide manufacturer-documented accuracy specifications for:
Brachial pressure.
Ankle pressure.
Toe pressure.
ABI.
TBI.
Heart rate, where measured.
The pressure measurement system shall comply with applicable international standards for automated non-invasive blood-pressure measurement and the regulatory requirements applicable in the country of origin and/or destination.
5. Cuffs and Sensors

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

__EMPTY
The system shall include appropriate cuffs/sensors required for routine ABI and TBI measurement.
The supplied cuff/sensor set shall include sizes appropriate for adult patients and shall be suitable for clinical use.
The bidder shall specify all available cuff/sensor sizes.
Reusable and/or disposable toe sensors/cuffs shall be specified by the bidder.
6. Measurement Time
The system shall provide rapid automated ABI/TBI assessment using a standardized measurement protocol.
The bidder shall state the typical time required for:
ABI measurement.
TBI measurement.
Combined ABI/TBI assessment.
7. Waveform and Signal Display
The system shall provide, as applicable:
Pulse waveform display.
PPG waveform display for TBI.
Oscillometric waveform/graphical information.
Measurement quality indicators.
Identification of technically inadequate measurements.
8. Automated Analysis and Alerts

__EMPTY
The system may provide automated interpretation/flagging of abnormal ABI/TBI measurements.
Where automated alerts are provided, the bidder shall clearly describe the algorithm and clinical thresholds used.
Automated alerts shall be considered decision-support information and shall not replace clinical interpretation.
9. Reporting and Data Storage
The system shall provide:
Patient identification.
Date and time of measurement.
Right and left ABI results.
Right and left toe-pressure/TBI results where measured.
Relevant waveform information.
Measurement history.
Patient report generation.
Data storage and retrieval.
Printing/export of reports.
10. Data Connectivity
The system shall provide secure data transfer/export capability.
Where available, compatibility with:
EHR/HIS

__EMPTY
USB
Wi-Fi/Bluetooth
standard data formats
documented API/interface
shall be stated by the bidder.
Any proprietary software, cloud service or recurring subscription required for data connectivity shall be clearly identified in the technical and financial offer.
11. Display and User Interface
The system shall have an appropriate display/interface allowing:
guided measurement procedure
clear numerical results
waveform review
patient identification
measurement history
report review.
The system shall be suitable for routine clinical use with minimal operator training.
12. Power Supply
The bidder shall specify:

__EMPTY
Input voltage.
Frequency.
Power consumption.
Battery type and capacity, where applicable.
Approximate number of measurements per charge, were battery-operated.
Charging time.
AC power requirements.
13. Calibration and Maintenance
The system shall have a manufacturer-defined calibration and quality-control procedure.
The supplier shall provide:
Calibration documentation.
Preventive-maintenance schedule.
User maintenance instructions.
Service manual where applicable.
Recommended replacement intervals for cuffs/sensors and other consumables.
14. Accessories
The system shall be supplied with all accessories necessary for routine ABI/TBI measurement, including:
Appropriate adult cuffs.

__EMPTY
Toe cuffs/sensors.
Connecting accessories.
Power supply/charger.
Required software.
Data-transfer accessories.
Carrying/storage accessories where applicable.
15. Clinical Application
The system shall be suitable for vascular assessment of patients with:
Diabetes mellitus.
Peripheral arterial disease.
Diabetic foot.
Suspected lower-limb ischemia.
Chronic kidney disease.
Non-healing foot wounds.
Foot ulceration.
Patients requiring vascular assessment before diabetic-foot intervention.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item: Autoclave Hybrid

UNSPSC: Steam autoclaves or sterilizers

Specifications / Requirementsss:

Item: Autoclave Hybrid
UNSPSC: Steam autoclaves or sterilizers
Specifications / Requirements:
Autoclave Hybrid
Sr.# Description
Department: ENDOCRINE
Name: Autoclave Hybrid
Quantity: 01
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).

Item: Autoclave Hybrid
4 Warranty: Five years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm. The supplier shall provide spare parts for Seven years after the warranty expires.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/brochure clearly identifying the offered brand, make and model and demonstrating compliance with the specified technical and performance requirements.
TECHNICAL PARAMETER
1) TECHNICAL SPECIFICATION:
o Microprocessor controlled with digital display/touchscreen or equivalent user interface. (Better or More)
o Chamber made of corrosion-resistant stainless steel such as AISI 316L or equivalent/superior material suitable for repeated saturated-steam sterilization. (Better or More)
o Chamber Volume: Minimum 23 L usable chamber capacity. (Better or More)
o Loading Capacity: Minimum 9 KG for instruments or equivalent validated load capacity; textile/linen loading capacity shall be specified by the bidder. (Better or More)
o Steam sterilization system capable of achieving uniform temperature and steam penetration throughout the validated load. Double-jacket construction or equivalent technology for efficient steam generation, heat distribution and cycle performance shall be acceptable.
o Digital data storage/cycle documentation with USB, network interface or equivalent data-export facility; integrated or compatible thermal printer/documentation system acceptable. (Better or More)

Item: Autoclave Hybrid
o Built-in automatic preheating system or equivalent functionality. (Better or More)
o Fully automatic autoclave with automated cycle control, monitoring and completion indication. (Better or More)
o Steam generator/pressure monitoring with digital display or equivalent means of monitoring operating pressure. (Better or More)
o Vacuum and Bowie & Dick/air-removal test program or equivalent validated air-removal testing capability. (Better or More)
o Automatic electrical door lock/interlock with appropriate safety protection. (Better or More)
o Air removal by fractionated pre-vacuum or equivalent validated air-removal technology using a suitable vacuum pump/system. (Better or More)
o Automatic load-dependent/sensor-controlled drying or equivalent validated drying technology capable of achieving adequately dried sterilized loads.
o Water-saving function or equivalent technology for efficient water utilization. (Better or More)
o Built-in water-quality monitoring system, including conductivity monitoring or equivalent technology, with appropriate warning/alert for unsuitable water quality.
o Temperature: 121°C–134°C, with validated sterilization cycles appropriate for the intended load.
o The sterilizer shall provide validated cycles suitable for the intended instrument loads, including wrapped/unwrapped loads as applicable.
o The bidder shall specify cycle temperature, exposure time, total cycle time, maximum validated load and drying performance for each relevant cycle.
o The system shall provide a vacuum leak test program or equivalent validated system-performance testing capability.

Item: Autoclave Hybrid
o The system shall provide appropriate monitoring and recording of critical cycle parameters including temperature, pressure, time and cycle status.
o Trays/racks: Sufficient compatible trays/racks to safely and effectively utilize the chamber for the specified load. The bidder shall specify the number, dimensions and maximum loading capacity of supplied trays/racks.
OPERATING REQUIREMENTS:
AC 220V–230V / 50Hz
Suitable protection against voltage fluctuation shall be provided either through an integrated voltage stabilization/protection system or an appropriately rated compatible external voltage-conditioning/stabilization system.
OPTIONAL:
UPS of suitable capacity with minimum 15 minutes backup for controller, display, monitoring and electronic data-recording components during power shedding, provided/installed by the manufacturer or supplied as a compatible system.
NOTE:
The system should be supplied with complete accessories necessary for safe, validated and routine functioning of the machine, including all required trays/racks, water connections/filters where applicable, power accessories, documentation system and other standard manufacturer-supplied accessories.
The bidder shall provide manufacturer-recommended installation, commissioning, calibration/validation and preventive-maintenance requirements.

Item: DEXA SCAN MACHINE

UNSPSC: Medical ultrasound bone densitometers

Specifications / Requirementsss:

DEXA SCAN MACHINE
Sr.# Description
Name: DEXA SCAN MACHINE
Department: Endocrinology
Quantity: 01
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Five years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm. Essential spare parts shall remain available for a minimum of 10 years after the expiry of warranty period.
5 Original Technical data sheets

DEXA SCAN MACHINE
The bidder shall submit the original manufacturer's technical data sheet/brochure for the offered system, clearly identifying the offered brand, make and model and demonstrating compliance with the specified technical and performance requirements
TECHNICAL PARAMETERS
Technical Specification
1) PURPOSE/USAGE
This EQUIPMENT is required for the Dual-Energy X-ray Absorptiometry (DEXA) is used for accurate measurement of Bone Mineral Density (BMD) to diagnose osteoporosis and assess fracture risk.
It is also utilized for whole-body composition analysis including fat mass, lean mass, and visceral fat assessment for metabolic and clinical evaluation.
2. GENERAL/TECHNICAL SPECIFICATIONS
General Description:
The system shall be a Dual Energy X-ray Absorptiometry (DEXA / DXA) Scanner using validated DXA technology suitable for accurate measurement of Bone Mineral Density (BMD), Body Composition, and Advanced Morphometric Analysis.
2D Fan-beam, DXA scanning technology shall be acceptable, provided that it meets or exceeds the required clinical performance, accuracy, precision and examination requirements.
It shall be designed for AP Spine, Hip, Forearm, and Whole-Body Examinations in adult and pediatric patients.
Technical Specifications
Technology:

DEXA SCAN MACHINE
DXA Technology: Validated DXA technology suitable for accurate BMD, body-composition and skeletal assessment. 2D Fan-beam technology shall be acceptable.
Scanning Method:
· Scanning method shall provide accurate and reproducible acquisition of the required anatomical regions, including spine, hip, forearm and whole-body examinations. (Narrow Fan Beam (X & Y)
Detector:
· Advanced high-resolution semiconductor or solid-state detector system suitable for dual-energy X-ray absorptiometry, providing high detector efficiency, low electronic noise, excellent spatial resolution, accurate energy discrimination and high precision and reproducibility of BMD measurements.
· Direct-conversion photon-counting CdTe, CZT or equivalent/superior detector technology shall be acceptable.
· BMD precision/reproducibility: System shall provide high precision and reproducibility for lumbar spine, total hip and femoral neck BMD measurements, with manufacturer-documented precision performance.
· Spatial resolution: High-resolution imaging suitable for accurate identification of vertebral and hip anatomy and assessment of vertebral deformities.
· Dose: Low-dose DXA acquisition with manufacturer-documented radiation dose and dose-saving technology.
· Detector system shall provide adequate image quality, spatial resolution and measurement performance for accurate BMD, body-composition and morphometric assessment.
The bidder shall state the detector configuration and relevant technical performance specifications in the technical offer.
Detector Pixel Pitch:

DEXA SCAN MACHINE
The bidder shall declare the detector spatial resolution/pixel characteristics and demonstrate that the offered system provides adequate spatial resolution for the required clinical applications.
Detector Pixel Pitch: 1.1 mm x 1.6 mm
Accuracy / Precision:
In vitro: ≤ 0.5%
The manufacturer shall provide documented accuracy/precision specifications for the offered system according to the manufacturer's validated methodology.
In vivo: ≤ 1.0%
The manufacturer shall provide documented in-vivo precision performance and, where applicable, the corresponding Least Significant Change (LSC) methodology for longitudinal patient follow-up.
The bidder shall provide the manufacturer's published accuracy and precision specifications and the methodology used to establish them.
Table Dimensions:
Patient table and scanning configuration shall be appropriate for safe and comfortable adult and pediatric examinations and shall accommodate the required scanning field.
The bidder shall state the overall equipment dimensions and table dimensions in the technical offer.
Motorized table movement / scanning:
The system shall provide automated or guided patient positioning and scanning of the required anatomical regions, including whole-body scanning from head to toe.

DEXA SCAN MACHINE
Fixed table with scanner movement arm or rectilinear scanning configuration shall be acceptable.
Active Scan Area:
200 cm × 65 cm (Better or more)
The system shall provide a scanning field sufficient to accommodate the required adult and pediatric examinations, including whole-body assessment.
The bidder shall specify the available scan field in the technical offer.
Maximum Patient Weight:
≥ 200 kg or more (Better or More)
The bidder shall clearly state the maximum validated patient weight capacity.
Hardware and Accessories
X-ray Tube:
X-ray tube and generator shall be suitable for DXA examinations and shall provide stable, reliable and safe operation at the manufacturer's validated operating parameters.
The bidder shall state the X-ray tube/generator specifications, including relevant operating parameters and cooling method.
A tube voltage capability of approximately 100 kV or equivalent validated operating capability is acceptable; alternative validated configurations shall not be excluded where they provide equivalent or superior clinical performance and safety.
Display PC and Color Printer
Display PC/workstation and color printer or equivalent digital reporting/data-output facility shall be provided.

DEXA SCAN MACHINE
Positioning pads and localization accessories including:
Cube cushion for AP Spine and Femur examinations (Better or More)
Appropriate positioning pads, supports, cushions and localization accessories required for standardized AP spine, hip/femur, forearm and other specified examinations shall be supplied.
Supplied with Spine Phantom or QC Phantom for calibration verification (Better or More)
Supplied with appropriate manufacturer-recommended spine phantom and/or QC phantom and accessories required for routine calibration verification and quality assurance.
The supplier shall provide the manufacturer's recommended quality-control and calibration procedure.
Examination Capabilities:
3D Dexa with cortical, trabecular femur assessment
AP Spine
Lateral Spine
Forearm
Hip
Dual Hip
Whole Body
Body Composition (Fat, Lean, Bone Mass)
Pediatric Scans (AP Spine, Hip, Whole Body, Body Composition, Hand)

DEXA SCAN MACHINE
Orthopedic Scans (Spine, Hip, Knee, Elbow, Shoulder)
Digital Vertebral Assessment (AP and Lateral Spine – Genant Classification, Cobb Angle)
The system shall provide vertebral fracture assessment/morphometric analysis of the spine, where available, including vertebral height measurements and/or equivalent validated morphometric assessment.
Advanced Morphometric Analysis:
Hip Structural Analysis (HSA)
HSA or equivalent validated advanced hip structural assessment capability.
The system shall provide clinically relevant hip structural parameters, where available, including hip axis length, femoral neck geometry and other validated structural parameters.
Equivalent or superior validated hip structural analysis technology shall be acceptable.
3D-DXA:
3D-DXA or equivalent validated three-dimensional DXA-based skeletal assessment, including 3D femoral modelling and/or cortical/trabecular assessment, where available.
The bidder shall clearly describe the clinical parameters generated by the offered technology and provide supporting manufacturer's documentation.
Sarcopenia Assessment:
Sarcopenia Assessment based on DXA-derived lean mass and other relevant body-composition parameters, using a recognized or manufacturer-supported methodology.
The system shall permit calculation/reporting of relevant lean-mass indices where supported.

DEXA SCAN MACHINE
FRAX Tools Integration:
FRAX Tools Integration
Integrated FRAX tool or compatible facility for fracture-risk assessment using relevant patient and DXA parameters.
Where direct software integration is not available, the system shall permit accurate display/export of relevant BMD and clinical parameters for fracture-risk assessment.
Software and Operating System
Operating System:
Current manufacturer-supported operating system compatible with the supplied DXA hardware and software, with appropriate manufacturer support during the warranty/service period.
Multi-language interface:
English language interface shall be available as a minimum. Additional languages may be provided.
Customizable user profiles:
Customizable user profiles with secure user access appropriate for routine departmental use.
Automatic patient localization and scan programs
The system shall provide automatic or guided patient localization and standardized scan programs for the required examinations.
Automatic calculation of BMD, BMC, Area, Fat Mass, Lean Mass, and Total Body Composition
The system shall automatically calculate and report BMD, BMC, area, fat mass, lean mass and total body composition, as applicable to the examination.

DEXA SCAN MACHINE
Auto Calibration and Quality Assurance Programs
The system shall provide manufacturer-recommended automated or guided calibration and quality-assurance procedures.
Built-in Help and Training Modules
Reference Curves
Reference Curves for relevant age-, sex- and population-appropriate BMD interpretation.
The system should support recognized reference populations and/or validated reference curves applicable to the intended patient population, with provision for additional validated reference databases where supported.
Multi-report generation and comparison of current and previous examinations
Follow-up and comparison functions (T-Score, Z-Score, Trend Analysis)
The system shall provide longitudinal comparison and trend analysis, including T-score, Z-score and BMD change assessment where applicable.
The system should support Least Significant Change (LSC) assessment for follow-up examinations where applicable.
Connectivity and Communication
DICOM Push / Print
DICOM communication capability for image/data transfer and printing shall be provided.
DICOM Work list
DICOM Modality Worklist or equivalent standards-based patient/worklist integration shall be provided.
DICOM Workstation

DEXA SCAN MACHINE
DICOM-compatible workstation or equivalent standards-based image/data review and communication capability shall be provided.
Remote Tele-Maintenance Capability
Remote technical support/tele-maintenance capability may be provided, subject to hospital information-security, privacy and authorization requirements.
Remote access shall not be mandatory where it is incompatible with hospital information-security requirements.
3. Power Requirements
220–240 V, 50 Hz or locally compatible electrical supply.
The bidder shall state the actual power consumption and electrical requirements of the offered system.
Standards and Certifications
CE Certified
ISO Compliant
The equipment shall comply with applicable medical-device safety, electrical safety, radiation protection and electromagnetic compatibility standards and applicable regulatory requirements.
The bidder shall provide valid regulatory approval/certification applicable to the offered model, together with relevant quality-management certification.
Additional Requirements
Automatic patient positioning and localization
Reports to include BMD, BMC, T-Score, Z-Score, ROI analysis, and physician remarks

DEXA SCAN MACHINE
Reports shall additionally include relevant longitudinal comparison/BMD change information where supported by the system.
System should be compatible for use in Radiology and Endocrinology departments
Supplier to provide user training, installation, and calibration at site.
Supplier shall provide installation, commissioning, application training for relevant clinical and technical staff, calibration/quality-control training and documentation before final acceptance.
The system shall be supplied complete with all standard accessories, positioning aids, phantoms, software, workstation components, cables, power accessories and other items required for safe and complete operation.
ADDITIONAL PERFORMANCE REQUIREMENTS
The bidder shall provide manufacturer-documented information regarding:
BMD accuracy and precision
Precision error and Least Significant Change (LSC), where applicable
Radiation dose/exposure parameters
Maximum patient weight
Scan times for major examination types
Whole-body scanning capability
Body-composition measurement capabilities
Quality-control procedures
Calibration requirements

DEXA SCAN MACHINE
Software version and supported operating system
DICOM and interoperability capabilities

Item: ElectroHydraulic Moveable Bed

UNSPSC: Patient bed or table scales for general use

Specifications / Requirementsss:

ElectroHydraulic Moveabel Bed	
Sr.#	Description
	Name: ElectroHydraulic Moveable Bed
	Quantity: 10
	Description
1	Brand
2	Make & Model
3	Quality certification: Any Dual Certification in the following certificates. (FDA,CE, MHLW)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

ElectroHydraulic Moveabel Bed	
4	Warranty: Three year with all spare parts, during warranty period firm should maintain equipment by doing PPM as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.
5	Original Technical data sheet
	TECHNICAL PARAMETERS
	Technical Specification
1)	Should have positions Back Raise, Knee Raise, Hi-Low Adjustment, Auto Contour, Trendelenburg, Reverse Trendelenburg and Chair Position and Flat Position with X-ray imaging base, low height indicator, Lock button, Electric CPR Button, and Power Indicator and battery Back-Up.
	Movements:
	Stress Saver Raise
	(Stress on the patient’s body should be reduced during back raise) (Better or More)
	Back Raise Angle 0-70° (Better or More)
	Knee Raise Angle 0-25° (Better or More)
	Hi-low adjustment from 350mm to 700mm (Mattress Base) (Better or More)
	Trendelenburg/Reverse Trendelenburg position 0 to 12° (Better or More)
	Chair position button and Flat position button (Better or More)
	Controls
	Side-rail integrated panel should be included switches for the bed operations that are performed.

ElectroHydraulic Moveabel Bed	
	Side-rail integrated panel should be available in both side-rails near to the headboard, on the right and left side.
	The patient control panel should be available in both side-rails near to the headboard, on the right and left side.
	The angle of the back section base and the knee section base should be smoothly adjusted with no increments by using the patient control panel.
	CPR Function
	Should have Electric CPR Button & Manual CPR Lever
	Should be quickly returns the patient to a horizontal position to execute CPR procedures.
	Side Rails
	Anti-Tempering Lock
	Mattress Base
	Low Bed Height
	The low bed height of 350mm should ensure that patients should firmly place their heels on the floor (Better or More)
	Angle Indicator
	Head/Foot Board
	Should be secured to prevent accidental removal.
	The boards should be attached or detatched.
	Corner Bumpers

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

ElectroHydraulic Moveabel Bed	
	X-ray imaging using cassette
	X-ray imaging using cassette should be possible in the back section area.
	Adjusting the Angle of the Leg Section Base
	The angle of the leg section base should be manually adjusted when the knee section base raised.
	Restraint Belt mounting Holes
	When using restraint belt, attach the restraint belt to the mounting holes below
	Accessory Holders
	The accessory holders at both sides of the hip section base and side-rails, on which items such as urine bags or other items should be hung.
	Mattress Stopper
	Should be on leg section base.
	Option Attachment Holes
	Option attachment holes should be at the four corners of the bed.
	It should be installed IV pole or other accessories.
	Locking System
	The casters should be set to either of the positions below by operating the caster operation pedal on the both side of the foot end.
	Should have Lock Position, Free Position and Steering Position.

ElectroHydraulic Moveabel Bed	
	Castors
	Should have 125 mm dia. single wheel castors.
	Bed Dimensions should be
	Bed Length 2195 mm or more without extension.
	Bed Width 985 mm or more
	Total height 755 mm to 1105 mm or more
	Mattress Base Height 350 mm to 700 mm or more
	Mattress
	Size: W: 860mm L: 2000mm
	Mattress Cover should be:
	MRSA antibacterial treatment.
	Water-proof treatment.
	Material Cover Polyester/ padding, urethane foam.
	Mattress must be manufactured by the same company manufacturing beds.
	Battery
	Should have Battery with low battery indicator.
	Safe working load 230 KG or more.
	Additional Accessories

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

ElectroHydraulic Moveabel Bed	
	Bedside Table (Over Bed Table)
	Height Adjustment through Gas Spring
	Width 900mm x Depth 400mm x Height 745 to 1,130mm
	Castor: 40mm dia x 4pcs
	Bedside Cabinet:
	Pull-out Table (Detachable)
	Towel Rail at the both sides
	Detachable Drawer
	Inner Shelf
	40mm dia castor x 4pcs
	Dimensions: (W) 445mm x (D) 460mm x (H) 780mm
	Body power coated steel
	Table & Cabinet top & Drawer: ABS Plastic
	IV Pole
	Should be used for hanging intravenous drip bags and similar items.
	Should be adjust the length.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Item: Defibrillator

UNSPSC: Mobile medical services automated external defibrillators AED or hard paddles

Specifications / Requirementsss:

Sr#	Description
	Name: DEFIBRILLATOR
	Quantity:1
1	Brand
2	Make & Model
3	Quality Certification: FDA 510K (mandatory)with any one of the following certificates.(CE four figure NANDO,MHLW)
4	Warranty: Three years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.
	TECHNICAL SPECIFICATIONS:
	Biphasic transthoracic (external) defibrillator with LCD colour display Synchronized output with ECG.
	Should have Control of energy, charging/delivering on main panel and paddle.
	Energy delivery on control panel for internal defibrillation.
	The energy range should be adjustable for peads and adults up to 200Joules.
	Charging Time for full energy should be less than 07 sec.

Sr#	Description
	▯ Screen Size of approx. 6.5-inch colored or better.
	▯ Display of HR, ECG through paddles and Lead I.II & III patient cable.
	▯ Built in recorder for printing of full summery on standard 50mm paper or better.
	▯ Alarms for High and low Heart rate, low battery warning.
	▯ Built-in Rechargeable battery for maximum 100 shocks at max energy with shelf life of 3-years.
	▯ Monitoring time should be at least 3 hours or better
	▯ Should have Auto tester / self-check.
	▯ External Paddles with integrated Adult & Peads.
	▯ AED Facility with disposable pad having shelf life for at least 2 years.
	▯ Pacing facility with technology to use less current by using a 40 msec constant current and the pacing current should be 0 - 140mA.
	▯ AC 220 / 50hz operated.
	▯ Complete with standard accessories, including reusable type cables
	(Mandatort to Quote)
	▯ SPO2 (Pulse Oximeter)
	▯ NIBP (Non-Invasive Blood Pressure)

Item: HERTEL EXOPHTHALMOMETER

UNSPSC: Vision testing stereoscopes

Specifications / Requirementsss:

HERTEL EXOPHTHALMOMETER
UNSPSC: Exophthalmometers
Specifications / Requirements:
HERTEL EXOPHTHALMOMETER
Sr.# Description
Department: ENDOCRINE
Name: HERTEL EXOPHTHALMOMETER
Quantity: 02
HERTEL EXOPHTHALMOMETER
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

HERTEL EXOPHTHALMOMETER
4 Warranty: Three years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm. The supplier shall provide spare parts for three years after the warranty expires.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/catalogue for the offered exophthalmometer, clearly identifying the brand, make and model and demonstrating compliance with the stated technical and performance requirements.
TECHNICAL PARAMETERS
TECHNICAL SPECIFICATION:
Hertel-type exophthalmometer designed for accurate, reproducible and parallax-free measurement of ocular protrusion/exophthalmos, with a clearly visible graduated measurement scale in millimetres.
Constructed from lightweight, durable and suitable material for repeated clinical use. Equivalent or superior material shall be acceptable.
The measuring scale and reference markings shall be clearly visible during clinical measurement under routine examination conditions.
The device shall have durable, clearly marked millimeter graduations suitable for accurate clinical measurement.
The device shall have smooth, patient-safe edges and surfaces suitable for contact with the lateral orbital region during examination.
The device shall be easy to clean and disinfect using commonly accepted clinical cleaning/disinfection methods without deterioration of the measurement scale or device material.

HERTEL EXOPHTHALMOMETER
A suitable protective storage/carrying case shall be supplied to protect the instrument during storage and transportation. Equivalent or superior case material/design shall be acceptable.

Item: Infusion pump

UNSPSC: Intravenous infusion pumps for general use

Specifications / Requirementsss:

Infusion Pump	
Sr.#	Description
	Name: Infusion Pump
	Quantity: 4
	Description
1	Brand
2	Make & Model
3	Quality Certification: any one certification(FDA,CE,MHLW)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Infusion Pump	
4	Warranty: Three years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.After sale service for 10 years after warranty period.
5	Original Technical data sheet
	TECHNICAL PARAMETERS
S/No	Technical Specification
1)	Infusion Pump for Fluid Administration.
2)	Simple, Safe, and Robust Design.
3)	Integrated Dose Guard™ drug library.
4)	Intuitive user interface due to self-explanatory menu.
5)	Integrated pole clamp and handle.
6)	Easy to use disposables with color coded connectors.
7)	Guiding interface to prevent operating errors.
8)	Flow Rates:
	0.1-1000 ml/hr (Better or More)
9)	Display:
	3-4" TFT,240x320 Pixels,262K colors, Digital Color Display of set parameters and viewing angle: all 80° (Better or More)

Infusion Pump	
10)	High resolution colour display.
	Visibility from all angles.
	Colour coded drug library.
11)	Universal pressure Infusion IV set Compatible (All IV set compatibilty).
12)	Drive Accuracy:
	± 5% (Better or More)
13)	Display of Delivery Rate,Current Infusion Status,Volume to be infused, Pressure Limit,Battery Capacity,Infusion Volume,Drug Name,Remining Time,Alarms or more.
14)	Automatic adoptation of controls according to infusion set.(Better or More)
15)	Quick freed/rapid infusion facility. (Better or More)
16)	Rechargable battery and mains operated 220V,50/60Hz.
17)	Saftey Audible alarms for :
	Occlusion Pressure
	End of infusion
	Low Battery
	Inproper syringe insertion
	Technical alarms etc
18)	Battery Backup:

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Infusion Pump	
	Minimum battery backup 8 hrs at the rate of 25ml/hr better or more.
19)	Moisture Protection:
	IP34(water splashing from any direction)
20)	Bolus Option:
	Automatic and Manual Bolus with 1-999.9ml/hr.
	Manual bolus
	Bolus with volume preselection
	Bolus with preselection of volume and bolus duration
21)	Occlusion Pressure:
	9 levels or more.
22)	Stakable:
	Pumps must be stakable with each other upto 3 pumps or more.
23)	Drug Library:
	Minimum customizable 3,000 drugs including all parameters in up to 30 drug categories or more.
24)	Docking Station Compatible upto 18 pumps or more.
25)	Fast Startup
26)	Colour Display
27)	Intutive handling

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Infusion Pump	
28)	Dose Rate Calculation:
	Calculate the delivery rate on the basis of the following parameters.
	Concentration value (mg, µg, IE or mmol)
	Dosage value

Item: CAD/CAM System with Milling Machine for Diabetic Orthotics

UNSPSC: Medical equipment and instrument disinfectant washing equipment

Specifications / Requirementsss:

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
Department: ENDOCRINE
Quantity:01 Complete System
Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
Description
1. Brand To be specified by the bidder.
2. Make & Model
To be specified by the bidder.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
3.Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NNDO, MHLW).
The offered equipment shall have applicable internationally recognized quality/regulatory certification. Documentary evidence shall be provided with the bid.
The equipment shall be new, unused, current production model and supplied with original manufacturer's documentation.
4. Warranty
Five years comprehensive warranty from the date of successful installation, commissioning and acceptance of the equipment.
Warranty shall include: All equipment and major components.
· Scanner.
· Plantar-pressure assessment system.
· CAD/CAM software supplied with the system.
· CNC/CAM milling machine.
· Computer/workstation supplied with the system.
· Standard accessories.
· Spare parts.
· Labour and technical service.
· Preventive Planned Preventive Maintenance (PPM).

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Corrective maintenance.
· During the warranty period, the firm shall maintain the equipment by performing Planned Preventive Maintenance (PPM) as per the manufacturer's recommendation.
The firm shall respond to service calls within 02 hours and arrange on-site technical support within 24 hours for critical equipment failure, subject to site/location requirements.
Any spare part required during installation, commissioning, calibration, PPM or corrective maintenance during the warranty period shall be the responsibility of the firm.
The bidder shall provide details of local technical support and availability of spare parts in Pakistan.
Essential spare parts shall remain available for a minimum period of 10 years the expiry of warranty period. Or as specified by the procuring institution.
5. Original Technical Data Sheet
The bidder shall provide the original manufacturer's technical data sheet/brochure clearly identifying the offered model and all relevant technical specifications.
TECHNICAL PARAMETERS
1) Integrated CAD/CAM Orthotic Manufacturing System
The system shall be a complete integrated solution for:
· Digital acquisition of foot geometry.
· Plantar-pressure assessment.
· Computer-aided design of customized foot orthotics.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Computer-aided manufacturing.
· CNC milling of customized orthotic devices.
· Digital storage and retrieval of patient-specific designs.
· Production of patient-specific diabetic foot orthotics.
The system shall be suitable for clinical use in patients with diabetes, foot deformity, abnormal plantar-pressure distribution, previous diabetic foot ulceration, pre-ulcerative lesions and other conditions requiring customized foot orthotic intervention.
2) CNC/CAM MILLING MACHINE
The machine shall be suitable for manufacturing customized foot orthotics and insoles from appropriate orthotic materials.
Technical requirements
· CNC/CAM controlled milling system.
· Minimum 3-axis milling capability;
· Working area adequate for production of standard adult custom foot orthoses and insoles.
· Suitable for EVA and other appropriate orthotic materials.
· Dimensional accuracy/repeatability of 0.05 mm or better.
· High-speed spindle suitable for milling orthotic materials.
· Variable/programmable spindle speed.
· Computer-controlled machining.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Direct compatibility with the supplied CAD software.
· Compatibility with commonly used CAD/CAM file formats.
· Automatic or semi-automatic tool control.
· Emergency stop facility.
· Appropriate machine guarding/enclosure.
· Calibration facility/procedure.
· Suitable for repeated clinical production.
· Milling time and production capacity shall be specified by the bidder.
· Number of orthoses that can be produced per production cycle shall be specified by the bidder.
· Continuous operating/duty cycle shall be specified by the bidder.
The bidder shall provide complete technical specifications including:
· Working area.
· Number of axes.
· Spindle power.
· Maximum spindle speed.
· Accuracy.
· Repeatability.
· Production capacity.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Typical milling time.
· Machine dimensions.
· Machine weight.
· Electrical requirements.
· Environmental requirements.
Equivalent or superior technical performance shall be acceptable.
3) Dust Extraction / Collection System
A suitable dust-extraction/collection system shall be supplied for the milling machine where required.
The system shall include:
· Appropriate dust extraction.
· Dust collection container/bag.
· Required hoses and connectors.
· Necessary safety components.
· Installation and commissioning.
The dust-extraction system shall be compatible with the milling machine and suitable for routine clinical operation.
4) 3-D Digital Foot Scanner
The system shall include a dedicated 3-D foot-scanning system suitable for clinical assessment and CAD/CAM manufacture of customized foot orthotics.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
The scanner shall provide:
· 3-D non-contact optical, laser, structured-light or equivalent scanning technology.
· Complete foot geometry acquisition.
· Plantar-surface scanning.
· Weight-bearing scanning.
· Semi-weight-bearing scanning.
· Non-weight-bearing scanning.
· Right and left foot scanning.
· Patient-specific digital foot model generation.
· 3-D digital output.
· 2-D image/output capability where available.
· Ability to save and retrieve patient-specific scan data.
· Direct compatibility with the supplied CAD software.
· Export to commonly used 3-D formats such as STL, OBJ, PLY or equivalent.
· Ability to digitize existing orthoses/insoles where supported.
· Ability to digitize casts or other foot models where supported.
Minimum performance
· Scanning accuracy: ≥ 1.0 mm or better.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Scanning/acquisition time: preferably ≤ 3 seconds per acquisition.
· The bidder shall provide manufacturer's documented scanning accuracy and method of verification.
The system shall be capable of capturing accurate anatomical and plantar foot geometry required for customized orthotic design.
The bidder shall specify:
· Scanning technology.
· Accuracy.
· Scanning time.
· Field of view.
· Dimensions.
· Weight.
· Connectivity.
· Operating-system requirements.
· Software requirements.
· Data formats.
5) Dynamic Plantar-Pressure Assessment System
The system shall include a dedicated plantar-pressure assessment system suitable for diabetic-foot clinical assessment and evaluation of orthotic effectiveness.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
The system shall be capable of:
· Static plantar-pressure assessment.
· Dynamic plantar-pressure assessment during walking.
· Measurement/display of plantar-pressure distribution.
· Identification of areas of increased plantar pressure.
· Measurement of peak plantar pressure.
· Generation of plantar-pressure maps.
· Assessment of both feet.
· Storage and retrieval of patient assessment data.
· Comparison of plantar-pressure distribution before and after orthotic intervention.
· Generation of clinical reports.
The system should provide, where available:
· Centre-of-pressure trajectory.
· Pressure-time parameters.
· Regional pressure analysis.
· Left/right comparison.
· Multiple gait-cycle analysis.
· Force/time curves.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
The pressure measurement system shall include an appropriate calibration procedure and documentation.
The bidder shall provide:
· Sensor technology.
· Measurement area.
· Sensor density/resolution.
· Sampling frequency.
· Measurement range.
· Accuracy.
· Calibration method.
· Software specifications.
· Data-storage capability.
· Reporting capability.
The system shall be suitable for use in the clinical assessment and monitoring of patients requiring diabetic foot orthotic intervention.
6) CAD Orthotic Design Software
The system shall include professional CAD software specifically suitable for design and manufacture of customized foot orthotics.
The software shall provide, as a minimum:

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Import of 3-D foot scans.
· Creation of patient-specific foot models.
· Customized orthotic design.
· Arch modification.
· Heel-cup modification.
· Forefoot modification.
· Rearfoot modification.
· Medial/lateral posting or wedging.
· Metatarsal accommodation.
· Localized pressure/offloading accommodation.
· Adjustment of orthotic thickness.
· Edge and contour modification.
· Surface smoothing.
· Right and left foot customization.
· Duplication and modification of previous designs.
· Patient-specific design storage.
· Manufacturing-file generation.
· Direct transfer to CNC/CAM manufacturing.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Compatibility with supplied 3-D printer where applicable.
· Export/import using commonly accepted digital formats.
The software shall permit production of customized orthotics for different foot shapes, deformities and pressure-distribution requirements.
7) Software and Hardware System
The complete system shall include all hardware and software necessary for normal operation.
The supplied system shall include:
· Dedicated computer/workstation. -
· Appropriate monitor.
· Required operating system.
· CAD software.
· CAM software.
· Scanner software.
· Plantar-pressure analysis software.
· Required interfaces and connectivity.
· Necessary peripherals.
· Data-storage capability.
· Backup facility.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
Minimum workstation requirements
· Processor suitable for professional 3-D CAD/CAM applications.
· Minimum 16 GB RAM; 32 GB or higher preferred.
· Dedicated graphics capability suitable for 3-D CAD.
· SSD storage.
· High-resolution monitor.
· Keyboard and mouse.
· Network connectivity.
All required software licenses shall be included.
The bidder shall clearly specify:
· Licence type.
· Licence duration.
· Number of users/workstations.
· Software (Life Time Subscription)
· Technical support charges.
· Offline functionality.
8) Data Management and Interoperability
The system shall allow secure storage and retrieval of patient-specific digital foot data and orthotic designs.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
The system shall provide:
· Patient data storage.
· User access control.
· Password protection.
· Data backup.
· Data recovery.
· Export of patient-specific 3-D data.
· Export in commonly used/open digital formats.
· Retrieval and modification of previous patient designs.
Patient-generated digital data shall remain accessible to the procuring institution.
10) Orthotic Materials
The system shall be capable of processing appropriate orthotic materials, including as applicable:
· EVA of different densities/hardness.
· Appropriate thermoplastic materials.
· Rigid and semi-rigid orthotic materials.
· Cushioning materials.
The bidder shall provide technical specifications and quality/safety documentation for the proposed materials.
Materials intended for direct patient contact shall have appropriate quality and safety documentation.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
11) Consumables
The supplier shall provide an initial supply of consumables for installation, commissioning, training and initial clinical use.
Consumable Minimum Quantity
E VA orthotic milling blanks _____ pairs
Orthotic shells/components _____ pairs
3-D printing filament/material _____ kg
3-D printing build plates/pallets _____
Milling tools/burs _____ sets
Dust-collection consumables _____ sets
Other manufacturer-recommended consumables As required
All consumables required for routine operation during the warranty period shall be clearly identified by the bidder.
The bidder shall provide unit prices for all major consumables and replacement components.
12) Electrical Requirements
The bidder shall clearly specify:
· Voltage.
· Phase.
· Frequency.
· Power consumption.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Maximum electrical load.
· Earthing requirements.
· Stabilizer requirements.
· UPS requirements.
· Surge-protection requirements.
· Environmental requirements.
The system shall be compatible with the electrical infrastructure of the installation site or the bidder shall clearly identify any additional requirements.
13) Installation and Commissioning
The successful bidder shall be responsible for:
1. Delivery.
2. Installation.
3. Assembly.
4. Software installation.
5. Hardware/software integration.
6. Calibration.
7. Functional testing.
8. Trial production.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
9. Demonstration.
10. Commissioning.
11. User training.
The bidder shall conduct a site assessment and provide written site-readiness requirements before installation.
The equipment shall be considered installed and commissioned only after successful completion of acceptance testing.
14) Training
Comprehensive hands-on training shall be provided to at least 3–5 nominated hospital staff members.
Training shall include:
Clinical/digital workflow
· Patient positioning.
· Plantar-pressure assessment.
· Digital foot assessment.
· CAD orthotic design.
· Orthotic modification.
· Manufacturing.
· Finishing.
· Fitting.
· Post-fitting assessment.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Pressure reassessment.
Technical operation
· System operation.
· Software operation.
· Calibration.
· Routine maintenance.
· Cleaning.
· Consumable replacement.
· Troubleshooting.
· Safe operation.
· Basic preventive maintenance.
Training shall be conducted at the hospital after installation and commissioning.
Training certificates shall be provided.
15) Planned Preventive Maintenance
The firm shall provide Planned Preventive Maintenance (PPM) according to the manufacturer's recommended schedule.
PPM shall include, as applicable:
· Calibration.
· Mechanical inspection.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Electrical inspection.
· Cleaning.
· Software/system checks.
· Safety checks.
· Performance verification.
· Replacement of defective components.
· Documentation of maintenance activities.
A preventive-maintenance schedule shall be submitted with the equipment.
16) Service and Technical Support
The supplier shall provide local technical support throughout the warranty period.
The bidder shall provide:
· Name and address of service center.
· Contact details.
· Service engineer details.
· Availability of spare parts in Pakistan.
· Service escalation mechanism.
· Preventive-maintenance schedule.
Service response:

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
Remote response: within 02 hours of service call.
On-site response: within 24 hours for critical equipment failure.
The bidder shall specify the maximum expected repair/restoration period for major equipment failure.
17) Spare Parts
The supplier shall ensure availability of essential spare parts and service support for a minimum period of 10 years from the date expiry of warranty.
The bidder shall provide:
· List of major spare parts.
· Indicative prices.
· Expected availability.
· Recommended replacement intervals where applicable.
18) Acceptance Testing
Final acceptance shall be carried out after installation, commissioning and training.
The system shall successfully demonstrate:
B. Plantar-pressure assessment
Successful acquisition of static and dynamic plantar-pressure data and generation of pressure maps/reports.
C. CAD design
Creation of a patient-specific orthotic design from the scanned foot.

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
D. CNC/CAM manufacturing
Successful transfer of the approved CAD design to the manufacturing system and production of a representative orthotic device.
E. Dimensional verification
The manufactured orthosis shall correspond to the approved digital design within the manufacturer's declared accuracy/tolerance.
G. Data interoperability
Successful export/import of patient-specific digital data using an agreed standard format.
H. Software
Demonstration of all major software functions specified in the tender
Submission of:
· Original user manuals.
· Technical manuals.
· Calibration documentation.
· Software licenses.
· Warranty certificate.
· Quality/regulatory certificates.
· Training certificates.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
· Preventive-maintenance schedule.
· Service-support details.
Final acceptance shall be subject to satisfactory completion of the above tests.
19) Clinical Application
The system shall be suitable for the assessment and fabrication of customized foot orthotics for patients with:
· Diabetes mellitus.
· Diabetic peripheral neuropathy.
· Foot deformity.
· Abnormal plantar-pressure distribution.
· Previous diabetic foot ulceration.
· Pre-ulcerative lesions.
· Callus/high-pressure areas.
· Biomechanical abnormalities.
· Other clinically indicated conditions requiring customized foot orthotic intervention.
The system shall support individualized orthotic design, pressure redistribution and accommodation of clinically relevant foot abnormalities.
20) Technical Documentation to be Submitted by Bidder
The bidder shall submit:

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
1. Original manufacturer's technical data sheet.
2. Original manufacturer's product brochure.
3. Brand.
4. Make and model.
5. Country of origin.
6. Manufacturer's authorization.
7. Quality/regulatory certificates.
8. Detailed technical specifications.
9. Scanner accuracy documentation.
10. Plantar-pressure system specifications.
11. Calibration documentation.
12. CAD/CAM software specifications.
13. CNC milling specifications.
14. Material specifications.
15. Consumable list.
16. Warranty certificate/undertaking.
17. Preventive-maintenance schedule.
18. Local service/support details.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Name: Integrated CAD/CAM System with Milling Machine for Diabetic Orthotics
19. Spare-parts availability.
20. Training plan.
21. Installation and commissioning plan.
22. Site requirements.
23. Details of all recurring costs/subscriptions.
24. List of previous installations/references where applicable.

Item: Ophthalmoscope

UNSPSC: Ophthalmoscopes or otoscopes or scope sets

Specifications / Requirementsss:

OPHTHALMOSCOPE
UNSPSC: Ophthalmoscopes or otoscopes or scope sets
Specifications / Requirements:
Ophthalmoscope
Sr.# Description
Department: ENDOCRINE

OPHTHALMOSCOPE
Name: Ophthalmoscope
Quantity: 03
Description
1. Brand
2. Make & Model
3. Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Three years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.
Essential spare parts shall remain available for a minimum of 5 years after the expiry of warranty period
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/catalogue identifying the offered brand, make and model and demonstrating compliance with the specified technical and performance requirements.
TECHNICAL PARAMETERS
Technical Specification
1) LED OPHTHALMOSCOPE HEAD FEATURING:
Dust-resistant/sealed ophthalmoscope head suitable for routine clinical use and capable of maintaining optical performance under normal hospital conditions.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

OPHTHALMOSCOPE
High-quality LED or equivalent illumination providing bright, uniform and color-accurate illumination suitable for examination of the optic disc, retina and retinal vasculature.
High-quality optical system suitable for examination through small and undilated pupils, with clear visualization of the optic disc, macula and retinal vasculature.
Polarizing filter or equivalent optical technology to reduce corneal reflections and improve visualization of the ocular fundus.
Wide dioptric lens range suitable for routine clinical fundus examination, preferably at least approximately -30 D to +30 D or wider, with fine dioptric increments.
The bidder shall state the available dioptric range and increments.
Red-free/green filter or equivalent retinal contrast-enhancement facility shall be available for improved visualization of retinal vessels and other retinal findings.
Multiple selectable aperture and filter combinations shall be available to support routine retinal and optic-disc examination.
The bidder shall specify the available aperture and filter options.
Cobalt-blue or equivalent blue-light filter shall be available for examination of the cornea and detection of fluorescein-enhanced abnormalities where applicable.
Selectable apertures shall include, as a minimum, small/medium or large spot and/or equivalent aperture options suitable for examination of different pupil sizes. Additional slit, fixation, red-free and blue-light apertures/filters may be provided.
Equivalent or superior aperture/filter technology shall be acceptable.
STANDARD ACCESSORIES:
LED Ophthalmoscope Head

OPHTHALMOSCOPE
LED or equivalent high-quality illumination ophthalmoscope head.
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Ophthalmoscope
Rechargeable battery handles with battery & charger
Rechargeable battery handle(s), compatible battery and charger/charging system shall be supplied.
Battery operation shall provide sufficient operating time for routine clinical use, and the bidder shall state the battery type and approximate operating time.
Carrying case

Item: Patient Examination Couch/Strecher

UNSPSC: Patient stretchers

Specifications / Requirementsss:

Patient Examination Couch/Stretcher
UNSPSC: Patient Bed or Table Scales for General Use
Specifications / Requirements:
Patient Examination Couch/Stretcher

Patient Examination Couch/Stretcher
Sr.# Description
Department: ENDOCRINOLOGY
Name: Patient Examination Couch/Stretcher
Quantity: 04
Description
1. Brand
2 Make & Model
3.Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Five years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm. Essential spare parts shall remain available for a minimum of 7 years after the expiry of warranty period.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/catalogue identifying the offered brand, make and model and demonstrating compliance with the specified technical and performance requirements.
TECHNICAL PARAMETERS
Technical Specification
1) Transfer Stretcher

Patient Examination Couch/Stretcher
Should have Positions {i) Back Raise Adjustment, and ii) Hi-Low Adjustment.
Movements:
Back Raise Angle:
Adjustable backrest with a minimum range of 0–70 degrees or equivalent/superior clinical positioning capability.
Hi-Lo Adjustment:
Height-adjustable patient platform with an approximate working range of 500–850 mm or wider, suitable for safe patient examination and transfer.
Controls:
Back Raise:
Manual, pneumatic, hydraulic, electric or equivalent mechanism for smooth and secure backrest adjustment shall be acceptable.
Hi-Lo:
Manual, hydraulic, electric or equivalent height-adjustment mechanism shall be acceptable.
Side Rails:
Side rails or equivalent patient-safety barriers shall be provided to reduce the risk of patient falls during examination and transfer.
Side rails shall have a secure locking mechanism and shall remain safely positioned during patient transfer and transport.
Backrest positioning indicators may be provided where available.

Patient Examination Couch/Stretcher
Side rails shall permit safe positioning and access for clinical procedures and attachment/management of IV tubing where applicable.
The stretcher shall facilitate safe and efficient transfer of patients between bed, stretcher and examination areas.
Side-rail design shall permit safe routing and management of IV lines, drains and other patient tubing without compromising patient safety.
Frame and patient-contact surfaces shall be constructed from durable, healthcare-grade materials resistant to routine cleaning and disinfection. Specific material shall be at the manufacturer's discretion provided that it meets the required strength, durability and infection-control requirements.
Mattress Base
Mattress/base shall be made of durable, healthcare-grade material suitable for repeated cleaning and disinfection.
Transfer Mattress:
A suitable patient mattress/pad shall be supplied and shall provide adequate support and comfort during examination and transfer.
Transfer mattress/pad shall have suitable integrated or compatible transfer handles where required for safe patient movement.
Mattress/pad shall have a waterproof, seamless or suitably sealed, easy-to-clean and disinfect surface.
Accessory Rail:
Suitable accessory rails or mounting points shall be provided for attachment of commonly required clinical accessories and management of tubing/bags.
Hooks:

Patient Examination Couch/Stretcher
Suitable hooks or mounting points shall be provided for urinary drainage bags and other commonly used accessories.
Center Wheel System/Fifth Wheel:
The stretcher shall provide stable directional control during movement. A fifth/steering wheel or equivalent wheel-steering technology shall be acceptable.
Belt for Patient:
Appropriate patient safety/positioning straps or belts shall be provided where clinically indicated to reduce the risk of patient falls during transport. Restraint systems shall be used in accordance with institutional policy and applicable patient-safety requirements.
IV Hanger Rod and Accessory Hole:
An adjustable IV pole/hanger with suitable hooks shall be supplied for intravenous fluid administration during patient examination and transfer.
The stretcher shall have suitable mounting points for secure attachment of an IV pole/hanger on one or both sides, according to the manufacturer's design.
The IV pole/hanger shall be safely stored or secured when not in use, where applicable.
Oxygen Cylinder Holder:
A secure oxygen-cylinder holder shall be provided, compatible with commonly used hospital oxygen cylinders. The mounting orientation may be vertical or horizontal according to the manufacturer's safe design.
Accessory Storage Tray:
A durable accessory/storage tray or equivalent storage facility shall be provided for commonly required clinical items.

Patient Examination Couch/Stretcher
Stretcher Dimensions:
Overall length shall be suitable for adult patient use, preferably approximately 1900 mm or greater.
Overall Width
Overall width shall provide adequate patient support and manoeuvrability in standard hospital clinical areas. The bidder shall state the overall dimensions of the offered model.
Height adjustment
Height-adjustable range approximately 500–850 mm or wider, or equivalent/superior clinical positioning capability.
Locking System:
A reliable central or individual caster locking/braking system shall be provided and shall be operable safely by the user.
The caster system shall provide secure locking of the stretcher during examination and safe release during movement.
Foot-operated or equivalent accessible braking mechanism shall be provided.
Caster: Heavy-duty medical-grade casters suitable for smooth movement, stability and safe maneuverability in hospital environments. The bidder shall specify caster size and configuration.
Anti-static/anti-electrostatic caster or equivalent electrical safety feature shall be provided where required by the applicable equipment safety standard.
Safe Working Load:
Safe Working Load (SWL): ≥200 kg or higher, including patient and applicable accessories, with the manufacturer's stated rating clearly documented.
ADDITIONAL PERFORMANCE REQUIREMENTS

Patient Examination Couch/Stretcher
The stretcher shall be suitable for routine adult patient examination, positioning and transfer in an Endocrinology/Diabetes clinical environment.
The patient platform shall be stable and provide safe support during examination, positioning and transfer.
All patient-contact surfaces shall be resistant to routine hospital cleaning and disinfection agents.
The design shall minimize crevices and inaccessible areas where feasible to facilitate cleaning and infection prevention.
The equipment shall be capable of safe operation by routine clinical staff without specialized tools for normal positioning and movement.
All standard accessories required for safe operation and the specified clinical functions shall be supplied.
INSTALLATION, TRAINING AND ACCEPTANCE
The supplier shall install and commission the stretcher at the End User's premises and demonstrate all specified functions.
The supplier shall provide basic user training covering operation, patient positioning, movement, braking/locking mechanisms, accessory use and routine cleaning.
The equipment shall undergo satisfactory inspection and functional acceptance testing before final handover.
MANUFACTURER-NEUTRALITY AND EQUIVALENCY
The specifications are performance-based and manufacturer-neutral. No particular brand, manufacturer, model, proprietary technology, machine dimensions, construction material, mechanical mechanism or proprietary design is intended or implied. Equivalent or superior technology meeting the stated clinical and technical requirements shall be considered acceptable.

Patient Examination Couch/Stretcher
Where a particular mechanical arrangement, caster configuration, side-rail design, adjustment mechanism or accessory mounting system is described, equivalent or superior technology providing the same or better patient safety and clinical functionality shall be acceptable.
No proprietary trade name, trademark, manufacturer-specific terminology or exclusive design feature shall be used as a basis for rejection of an otherwise technically compliant product.
The bidder shall demonstrate compliance through the original manufacturer's technical data sheet/brochure and, where required, practical demonstration and acceptance testing.

Item: Doppler Enable Ultrasound Machine with Different Probes

UNSPSC: Medical ultrasound bone sonometers

Specifications / Requirementsss:

Doppler Enable Ultrasound Machine with Different Probe
Doppler Enable Ultrasound Machine
Sr.# | Description |
Department: ENDOCRINOLOGY
Name: Doppler Enable Ultrasound Machine with Different Probes
Quantity: 01

Doppler Enable Ultrasound Machine with Different Probe
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Five years with all spare parts, during warranty period firm should maintain equipment by doing PPM as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.
Essential spare parts shall remain available for a minimum of 10 years after the expiry of warranty period.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/brochure clearly identifying the offered brand, make and model and demonstrating compliance with the stated technical and performance requirements.
TECHNICAL PARAMETERS
Technical Specification
HIGH-END FULLY DIGITAL COLOR DOPPLER ULTRASOUND SYSTEM
High-end fully digital color Doppler ultrasound system with 2D/B-mode, M-mode and Doppler capabilities including Pulsed-Wave (PW), Continuous-Wave (CW), High Pulse Repetition Frequency (HPRF), Power Doppler and color/spectral Doppler, suitable for general, vascular, thyroid, abdominal, musculoskeletal and other relevant Endocrinology applications. Multifrequency probes up to 25 MHz and 4d imaging.The system shall support multi-frequency transducers appropriate for superficial and deep structures and shall provide advanced imaging and Doppler functionality suitable for clinical diagnosis.

Doppler Enable Ultrasound Machine with Different Probe
Equivalent or superior ultrasound imaging technology shall be acceptable.
SYSTEM COMPLETE WITH FOLLOWING FACILITIES:
Monitor
High-definition 23” or more LCD/LED monitor or larger, with resolution adequate for high-quality diagnostic ultrasound image interpretation. With full HD resolution 1920 x 1080. (Better or More) The bidder shall specify monitor size and resolution.
Transducer Connectors
Minimum 5 active transducer connector for transthoracic probes ports, expandable or configurable to accommodate the supplied transducers and routine clinical applications.
The bidder shall state the number and type of active transducer ports.
Storage
Adequate internal storage for ultrasound images, cine loops, reports and patient data, with sufficient capacity for routine departmental use. 2TB HDD Storage & 250 GB SSD for fast operation-based or equivalent current storage technology is acceptable. The bidder shall state the installed storage capacity.
DICOM
FULL DICOM FOR IMAGE STORAGE, PRINT, QUERY / RETRIEVE, MPPS.
DICOM compatibility for image/data storage, print, query/retrieve and Modality Performed Procedure Step (MPPS), or equivalent applicable DICOM services, shall be provided.
Touchscreen

Doppler Enable Ultrasound Machine with Different Probe
Integrated touchscreen or equivalent user-control interface suitable for efficient adjustment of ultrasound imaging and examination parameters. The bidder shall state the screen size and control configuration. Touch command screen control: 13" or more.
STANDARD PROBES:
A. Curvilinear Probe
One multi-frequency curvilinear/convex Single Crystal transducer covering approximately 2–5 MHz or wider frequency range, suitable for abdominal, renal, liver, vascular and other deep-organ examinations, with advanced imaging capability.
Strain and shear-wave Elastography capability shall be available where supported by the offered transducer/system.
B. Linear Probe
One multi-frequency high-frequency linear transducer covering approximately 5–18 MHz or wider frequency range, suitable for thyroid, neck, carotid/vascular, superficial structures, musculoskeletal and diabetic-foot examinations.
Strain and shear-wave elastography capability shall be available with the linear transducer.
C. Endocavity Probe
One Endocavity transducer 4-14 MHz Multi Frequency, where offered, suitable for relevant pelvic/endocavitary examinations, with appropriate imaging capability. Elastography capability may be provided where clinically applicable.
The endocavity probe may be considered as an additional/optional transducer and shall not restrict otherwise compliant systems that provide the required Endocrine applications without an endocavity probe.
SYSTEM VIEWING DEPTH:
Adequate adjustable imaging depth for both superficial and deep-organ examinations, with a maximum imaging depth of at least 40 cm or as appropriate to the supplied transducers and intended clinical applications.

Doppler Enable Ultrasound Machine with Different Probe
System dynamic range: 300db or more.
4 FRAME RATE:
5000 fps or more High temporal resolution appropriate for real-time B-mode, color Doppler, spectral Doppler and other offered imaging modes. The bidder shall state the maximum frame rate for relevant imaging modes.
Automatic or rapid transducer selection/switching capability may be provided for efficient workflow. Equivalent user-controlled probe selection shall be acceptable.
DEDICATED USER-DEFINED PAGE SETUP
User-defined/customizable examination presets and workflow settings shall be available.
Wide dynamic range and image-processing capability appropriate for high-quality diagnostic imaging, with manufacturer-declared dynamic range/performance specifications.
System shall support a range of compatible transducers appropriate for superficial, vascular and deep-organ examinations, including high-frequency linear transducers of approximately up to 25 MHz or more probe higher where available.
The bidder shall state the supported transducer frequency range.
HPRF (HIGH PULSE REPETITION FREQUENCY)
PW DOPPLER
TISSUE DOPPLER IMAGING
Tissue Doppler imaging or equivalent tissue-motion Doppler capability.
TISSUE HARMONIC IMAGING

Doppler Enable Ultrasound Machine with Different Probe
Advanced harmonic, compound, spatial-resolution and/or penetration-enhancement imaging technology for improved image quality shall be available.
Equivalent technology shall be acceptable.
Advanced low-flow vascular imaging capability using color Doppler, power Doppler, microvascular-flow or equivalent technology for visualization of low-velocity blood flow in small vessels.
ALLOW USER TO TO ADJUST MULTIPLE ITEMS INCLUDING MEASURE, BODY MARK AND ANNOTATION IN ONE PAGE, TO SIMPLY THE WORKLOAD FOR A FAST EXAM REQUIREMENT.
User interface shall allow efficient adjustment of commonly used examination parameters, measurements, body markers and annotations with minimal workflow steps.
AUTO IMAGE OPTIMIZATION BY USING ONE TOUCH OPERATION.
One-touch or equivalent automated image optimization for B-mode and Doppler imaging shall be available.
Optional/advanced AI-assisted automated measurements may be provided for relevant clinical applications. Where provided, the bidder shall specify the supported measurements and applications.
AI features for auto measurements of BPD/HC/AC/FL/HL/Cereb/Vp/CTAR/CTDR/Cardiac axis/PL/AFI/, CSP-Length / CSP-Width/ IOD /OOD/ CM/ MVP
SPECKLE REDUCTION IMAGING TO REDUCE SPECKLE NOISE AND ACOUSTIC SHADOWS.
Speckle-reduction/noise-reduction technology or equivalent image-processing capability shall be available.
PANORAMIC VIEW IMAGING.
Automated or semi-automated intima-media thickness (IMT) measurement capability shall be available.

Doppler Enable Ultrasound Machine with Different Probe
Automated nuchal translucency measurement is not mandatory for this Endocrine Department procurement. If available, it may be quoted as an additional feature.
NEEDLE VISUALIZATION.
Needle-enhancement/needle-visualization technology for ultrasound-guided procedures shall be available.
FREE HAND 3D IMAGING WITHOUT USING A 4D TRANSDUCER. 3D/volume imaging capability may be provided where available. Free-hand 3D or equivalent volume-imaging technology shall be acceptable.
No particular 3D acquisition technology is mandated.
MICROVASCULAR IMAGING TO CLEARLY SHOW BLOOD FLOW IN TINY VESSELS
Advanced microvascular/low-flow imaging or equivalent technology capable of improving visualization of slow flow in small vessels shall be available.
Built-in or customizable examination protocols/presets for vascular, abdominal, thyroid/superficial, musculoskeletal and other relevant applications to streamline workflow shall be available.
Cardiac, GYN and OB protocols may be provided but shall not be mandatory.
Built-in or manufacturer-supported user guidance, tutorials, examination protocols or scanning assistance for standard examinations may be provided.
Training material and on-site application training shall be provided to designated users.
Quantitative vascular-flow analysis in color Doppler and/or advanced vascular imaging mode, including quantitative assessment of vascularity where supported, shall be available.
Equivalent quantitative vascularity-analysis methods shall be acceptable

Doppler Enable Ultrasound Machine with Different Probe
Advanced lesion/tissue assessment and comparison tools may be provided for relevant
Pediatric hip automated measurement and Graf classification are not mandatory for this Endocrine Department procurement. Such capability may be provided as an additional feature.
STRAIN ELASTOGRAPHY WITH WITH CONVEX, ENDOCAVITY & LINEAR PROBES TO VISUALIZE LESIONS.
Strain elastography capability with appropriate supplied transducers, particularly the linear and/or curvilinear transducers, for assessment of tissue characteristics and lesions.
Equivalent validated elastography technology shall be acceptable.
SHEARWAVE ELASTOGRAPHY WITH CONVEX, ENDOCAVITY & LINEAR PROBES TO VISUALIZE TISSUE STIFFNESS
The system shall provide quantitative stiffness measurements in appropriate units and permit documentation of measurements.
ATTENUATION IMAGING FOR FAT LIVER ASSESSMENT
Quantitative attenuation/steatosis assessment for evaluation of hepatic steatosis/fatty liver disease, or equivalent validated technology, shall be available.
The bidder shall state the measurement method, output parameters and units.
ACCESSORIES:
A. B/W THERMAL PRINTER.
B/W thermal printer or equivalent digital printing/reporting facility.
B. COMPATIBLE UPS.

Doppler Enable Ultrasound Machine with Different Probe
Compatible UPS of suitable capacity for safe operation of the ultrasound system and protection of electronic components during power interruptions.
OPTIONALS (MANDATORY TO QUOTE)
High-frequency linear/small-footprint “hockey-stick” probe, approximately 17 MHz or higher, suitable for superficial structures, thyroid, small parts and musculoskeletal/diabetic-foot applications.
High-frequency linear probe, approximately 25 MHz or higher where available, suitable for high-resolution superficial and vascular imaging.
FUSION IMAGING TO SYNC VOLUME DATA OF CT/MRI.
CT/MRI-ultrasound fusion or image-registration capability, where available, shall be quoted. Equivalent image-fusion technology shall be acceptable.
ADDITIONAL CLINICAL REQUIREMENTS
The system shall be suitable for the routine clinical requirements of an Endocrinology Department, including:
Thyroid and neck ultrasound
Carotid and peripheral vascular Doppler
Diabetic-foot and peripheral vascular assessment
Abdominal and liver ultrasound
Hepatic steatosis assessment
Liver stiffness assessment by elastography
Thyroid/superficial lesion assessment

Doppler Enable Ultrasound Machine with Different Probe
Musculoskeletal and soft-tissue ultrasound
Ultrasound-guided needle/procedure visualization
General abdominal and renal ultrasound.
QUALITY AND PERFORMANCE REQUIREMENTS
The bidder shall provide manufacturer-documented technical specifications for:
Supported transducer frequency ranges
Imaging depth
Spatial and contrast resolution
Doppler sensitivity/performance
Frame rate for relevant imaging modes
Elastography methodology and measurement range
Attenuation/steatosis measurement methodology
DICOM capabilities
Storage capacity
Supported software version
Electrical/power requirements
Available probes and accessories.
INSTALLATION, TRAINING AND ACCEPTANCE

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Doppler Enable Ultrasound Machine with Different Probe
Supplier shall provide complete installation, commissioning and calibration of the system at site.
Supplier shall provide adequate hands-on application training to designated Endocrinology staff, including ultrasound imaging, Doppler, vascular studies, thyroid examination, elastography, attenuation imaging and ultrasound-guided procedures.
Training shall include basic system operation, transducer selection, image optimization, Doppler optimization, data storage, reporting and quality-control procedures.
The system shall be subjected to satisfactory installation and acceptance testing before final handover to the End User.
All software, licenses and standard features required for the specified clinical applications shall be supplied and activated at the time of installation.
MANUFACTURER-NEUTRALITY CLAUSE
The specifications are performance-based and manufacturer-neutral. No particular brand, manufacturer, model, proprietary technology, machine dimensions or proprietary software architecture is intended or implied. Equivalent or superior technology meeting the stated clinical and technical requirements shall be considered acceptable.
Where a particular imaging method, software feature, AI function, elastography method or Doppler technology is described, equivalent or superior validated technology capable of achieving the same or better clinical performance shall be considered acceptable.
No proprietary trade name, trademark, manufacturer-specific terminology or exclusive software implementation shall be used as a basis for rejection of an otherwise technically compliant system.
The bidder shall demonstrate compliance through the original manufacturer's technical data sheet/brochure and, where required, practical demonstration and acceptance testing.

Item: OCT ANGIO

UNSPSC: Ophthalmic visual function analyzers

Specifications / Requirementsss:

OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
Specifications / Requirements:
Sr.# Description
Department: ENDOCHRINOLOGY
Name: OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
Quantity: 01
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Ten years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.

OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
Essential spare parts shall remain available for a minimum period of 10 years the expiry of warranty period. Or as specified by the procuring institution.
The bidder shall provide details of local technical support and availability of spare parts in Pakistan.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/catalogue identifying the offered brand, make and model and demonstrating compliance with the specified technical and performance requirements.
TECHNICAL SPECIFICATIONS
High-performance digital Optical Coherence Tomography (OCT) system with integrated Optical Coherence Tomography Angiography (OCTA) and appropriate retinal imaging modalities.
Spectral-Domain OCT (SD-OCT), Swept-Source OCT (SS-OCT), or equivalent/superior validated OCT technology shall be acceptable.
The system shall be suitable for high-quality structural and vascular imaging of the retina, macula, optic nerve and retinal microvasculature, including diabetic retinal disease.
Scan Speed:
High-speed OCT acquisition suitable for rapid, high-quality structural and OCTA imaging with effective motion-artifact control.
An acquisition speed of approximately ≥120,000 A-scans/second or equivalent/superior validated OCT/OCTA performance is preferred
The bidder shall state OCT acquisition speed in A-scans/second and provide manufacturer-documented OCT/OCTA performance.

OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
Axial Resolution:
High axial resolution suitable for detailed visualization of retinal layers. The bidder shall state the manufacturer's quoted axial resolution in tissue.
Lateral Resolution:
High lateral resolution suitable for detailed retinal imaging. The bidder shall state the manufacturer's quoted lateral resolution in tissue.
OCT ANGIO
Dioptric Range:
Refractive-error compensation is suitable for routine adult retinal imaging, including patients with clinically relevant myopia and hyperopia or auto capture. The bidder shall state the supported dioptric range.
Minimum Pupil Size:
The system shall support retinal imaging in patients with small pupils, with the manufacturer specifying the minimum recommended pupil size for OCT and fundus imaging.
Fundus Photography:
Integrated or compatible color and/or red-free fundus photography with an adequate field of view for documentation and correlation with OCT/OCTA findings. The bidder shall state image resolution, field of view, refractive range and minimum pupil requirement.
Weight:

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OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
The equipment shall be suitable for installation in a clinical ophthalmic examination environment. Physical dimensions and weight shall be stated by the bidder but shall not be used as mandatory acceptance criteria unless required by the available installation space.
OCT Angiography:
Non-invasive OCT Angiography (OCTA) providing three-dimensional visualization and quantitative assessment of retinal microvasculature.
The system shall allow visualization and analysis of retinal vascular networks without the need for intravenous dye for routine OCTA acquisition.
Scan Sizes (Retina):
Multiple OCT/OCTA scan fields suitable for detailed macular imaging and wider retinal vascular assessment.
A large-field OCT/OCTA acquisition capability of approximately 13 × 13 mm or greater is preferred.
A scan field of approximately 13.4 × 13.4 mm or equivalent/superior validated retinal coverage shall be acceptable.
The bidder shall state all available OCT/OCTA scan dimensions and acquisition modes.
Disc Scan Size:
Dedicated optic-disc/peripapillary OCT and OCTA imaging capability with an appropriate scan field.
Widefield Visualization:
Wide-field retinal visualization through wide-field OCT/OCTA acquisition, large-field scanning, montage/stitching or equivalent validated technology.

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OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
The capability should facilitate assessment of retinal vascular abnormalities beyond the central macula, particularly in diabetic retinal disease.
A large-field capability of approximately 14 × 13 mm or greater, or equivalent/superior validated retinal coverage, is preferred.
The bidder shall state the maximum available OCT/OCTA field size and method of wide-field visualization.
Artifact Removal (Intelligent De-noise)
ARTIFACT REDUCTION / IMAGE ENHANCEMENT
The system shall provide validated technology for reduction of:
Motion artifacts
Projection artifacts
Speckle/noise
Other relevant OCT/OCTA acquisition artifacts
Equivalent validated technology shall be acceptable.
OCTA Quantification:
Quantitative OCTA analysis must be offered.
The bidder shall state the quantitative OCTA parameters and analysis tools available.
Full Range OCT:
Wide-field/deep-range OCT scanning capability suitable for patients with high refractive error and other challenging retinal imaging conditions. The bidder shall state the available scan width and depth.

OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
Anterior Segment:
Anterior-segment OCT capability may be provided as an additional feature. Where available, the bidder shall state the available scan range and applications.
Anterior-segment imaging shall not be mandatory where it is not required for the intended Endocrine/diabetic retinal applications.
Fundus Photography:
Color and red-free fundus photography suitable for documentation and correlation with OCT/OCTA findings. The bidder shall state the camera resolution and field of view.
OCT ANGIO
External Photography:
External ocular photography may be provided as an additional feature but shall not be mandatory for the intended Endocrine/diabetic retinal applications.
Topography Module:
Corneal topography/tomography may be provided as an optional additional feature and shall not be mandatory for the primary retinal OCT/OCTA requirement.
STANDARD ACCESSORIES:
PC:
Computer workstations with operating system, processor, memory and graphics capability sufficient for acquisition, processing, visualization, storage and reporting of OCT/OCTA images. Screen must not be less than 17’’ or better

OPTICAL COHERENCE TOMOGRAPHY (OCT) WITH ANGIOGRAPHY
The bidder shall specify the supplied computer configuration and operating system.
Electric Motorized Instruments Stand
Motorized or appropriately adjustable instrument table/stand suitable for stable positioning and operation of the OCT/OCTA system shall be supplied.
Storage:
Adequate internal storage for OCT/OCTA images, fundus photographs, patient records and reports. The system shall provide appropriate data backup/export capability.
The bidder shall state the installed storage capacity and available backup/export options.

Item: BMI Stadiometer

UNSPSC: Patient floor scales

Specifications / Requirementsss:

DIGITAL HEIGHT AND WEIGHT MEASUREMENT SYSTEM (STADIOMETER)
UNSPSC: Body measurement tool
Specifications / Requirements:
Digital Height and Weight Measurement System (Stadiometer)

DIGITAL HEIGHT AND WEIGHT MEASUREMENT SYSTEM (STADIOMETER)
Sr.# Description
Department: ENDOCRINE
Name: BMI Stadiometer
Quantity: 03
Description
1 Brand
2 Make & Model
3 Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
4 Warranty: Three years with all spare parts, during warranty period firm should maintain equipment by doing Planned Preventive Maintenance (PPM) as per principal recommendation and attending service call within 02 hours whenever called by end user. If any spare part required during installation or PPM will be responsibility of the firm.
9 Local office & workshop is a Must (3rd Party contract not acceptable)
The supplier shall provide reliable after-sales technical support and service coverage for Islamabad/Rawalpindi, with access to trained service personnel and required spare parts during the warranty period.
5 Original Technical data sheet
The bidder shall submit the original manufacturer's technical data sheet/catalogue for the offered equipment, clearly identifying the brand, make and model and demonstrating compliance with the specified technical and performance requirements.

DIGITAL HEIGHT AND WEIGHT MEASUREMENT SYSTEM (STADIOMETER)
TECHNICAL PARAMETERS
Technical Specification
Digital measurement of height and weight with automatic or assisted calculation/display of BMI.
Accurate and repeatable height and weight measurement using validated measurement sensors/technology.
Height measurement headpiece shall provide smooth, stable and reproducible positioning. Motorized or manual operation shall be acceptable.
Wide, stable and non-slip standing platform suitable for safe adult clinical measurement.
Rapid measurement and display of height and weight suitable for routine clinical use and high patient throughput.
Suitable for clinical use in hospitals, outpatient clinics and other healthcare settings.
Stable floor-standing construction. Foldable measuring column and/or transport wheels may be provided where available.
Digital data output/connectivity capability may be provided. Compatibility with a specific manufacturer or proprietary body-composition analyzer shall not be mandatory.
MI Stadiometer
Measurement Item:
Height, Weight, BMI
Height Range:
Minimum height measurement range: approximately 90–210 cm or wider.
Error Range:

DIGITAL HEIGHT AND WEIGHT MEASUREMENT SYSTEM (STADIOMETER)
Height measurement accuracy: ±1 mm or better, or equivalent validated clinical accuracy.
Weight Range:
Weight measurement range: minimum 2–250 kg or wider, suitable for the intended adult patient population.
Display Type:
Clear digital LCD, LED or equivalent display for height, weight and BMI readings.
Zero Setting:
Automatic or equivalent zero/tare calibration function shall be available.
Measurement Mode:
Weight & Height
Weight Only
Height Only
The equipment shall provide independent height and weight measurement modes in addition to combined height/weight measurement where supported.
Height Measurement:
Height measurement shall be capable of being performed independently or following weight measurement, according to the equipment's operating configuration.
Weight Offset:
Weight measurement resolution shall be 0.1 kg or better. The bidder shall state the measurement resolution and available tare/zero functions.

DIGITAL HEIGHT AND WEIGHT MEASUREMENT SYSTEM (STADIOMETER)
Unit Selection:
Selectable metric units (kg/cm) shall be available. Imperial units may also be provided.
Portability:
Foldable column may be provided where required for storage and transportation.
Transport wheels may be provided for ease of movement.
Optional Devices:
Remote control or equivalent operating interface may be provided.
Thermal printer or equivalent digital reporting/data-output facility may be provided.

Item: Vital Sign Monitor

UNSPSC: Multiparameter vital sign units

Specifications / Requirementsss:

VITAL SIGNS MONITOR
Department: ENDOCRINOLOGY
Name: Vital Signs Monitor
Quantity: 01

VITAL SIGNS MONITOR
General Requirements
Brand: To be specified by bidder
Make & Model: To be specified by bidder
Quality Certification: Any one certification from the following:
(FDA 510K, CE with four figures NANDO, MHLW).
Warranty: Minimum 03 years comprehensive warranty including parts and service.
Essential spare parts shall remain available for a minimum of 5 years after the expiry of warranty period.
Original manufacturer technical data sheet/brochure shall be provided with the bid.
Essential spare parts shall remain available for a minimum period of 5 years from the expiry of warranty period.
Monitor / System
Fully digital, high-performance multiparameter patient monitor suitable for continuous monitoring in the intended clinical environment.
Display: High-resolution color display with touchscreen or equivalent user interface, approximately 17 inches or larger preferred, suitable for simultaneous viewing of numerical parameters, waveforms, alarms and trends.
Patient Categories: Suitable for adult and pediatric patients. Neonatal capability, where offered, shall be stated by the bidder.
Parameters: The monitor shall provide, as a minimum:
ECG / Heart Rate
Non-Invasive Blood Pressure (NIBP)

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VITAL SIGNS MONITOR
Oxygen Saturation (SpO_2)
Respiratory Rate
Temperature
Appropriate real-time waveform and numerical display.
ECG Monitoring:
Multi-lead ECG monitoring.
Bidder shall state available ECG lead configurations.
Heart rate measurement and waveform display.
ST-segment analysis.
Pacing detection, where supported.
Multi-category arrhythmia detection and analysis; bidder shall state the available arrhythmia categories.
NIBP:
Non-invasive blood pressure measurement with systolic, diastolic and mean arterial pressure.
Manual, automatic and/or programmable interval measurements.
Appropriate cuff sizes for different patient categories.
SpO_2:
Continuous oxygen saturation and pulse-rate monitoring.
Plethysmographic waveform display.

VITAL SIGNS MONITOR
Appropriate performance during routine clinical monitoring; bidder shall state the technology and specified operating range.
Temperature:
Continuous or intermittent temperature measurement as applicable.
Bidder shall state measurement range and accuracy.
Respiratory Monitoring:
Respiratory rate measurement with waveform display where applicable.
Suitable for continuous patient monitoring.
Alarms:
Independent physiological and technical alarms.
Audible and visual alarm indication.
Adjustable alarm limits, priorities and alarm management.
Appropriate alarm messages for parameter and equipment conditions.
Waveform and Data Review:
Real-time waveform display.
Waveform freezing and review.
Numerical trend and graphical trend review.
Stored patient data/events for subsequent review.

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VITAL SIGNS MONITOR
Bidder shall state available storage capacity and duration of trend/event storage.
Performance / Processing:
High-performance processor and rapid response suitable for simultaneous monitoring of all installed parameters.
High temporal resolution and adequate dynamic range for clear waveform visualization.
Bidder shall provide relevant manufacturer-declared technical performance specifications.
Patient Information:
Rapid patient admission, demographic entry and patient category selection.
Easy-to-use interface for routine clinical operation.
Clinical Calculations:
Appropriate built-in clinical calculations where available, such as drug dosage, hemodynamic, oxygenation or ventilation calculations.
Bidder shall clearly state available calculation functions.
Storage / Data Protection:
Adequate internal data storage for patient trends, events and waveforms.
Protection of stored patient data in case of temporary power interruption.
Bidder shall state storage capacity and data-retention capability.
Connectivity / Data Transfer:
Capability for external display and/or data output.

VITAL SIGNS MONITOR
HDMI, DisplayPort or equivalent interface shall be acceptable.
Network connectivity and DICOM/HL7 or equivalent data communication capability, where available, shall be stated.
Battery / Power:
Built-in rechargeable battery backup for continued monitoring during temporary power interruption.
Bidder shall state battery operating time under standard operating conditions.
Battery technology shall not be restricted to a particular chemistry.
Design:
Compact, robust and suitable for continuous clinical use.
Low-noise operation.
Fanless design or equivalent low-noise thermal management shall be acceptable.
Easy access for cleaning and routine maintenance.
Standby / Power Management:
Standby or power-saving mode for appropriate clinical use.
Rapid return to monitoring after standby where applicable.
Modular / Expandable Configuration:
Modular or configurable architecture allowing addition of clinically relevant monitoring parameters where supported.
Integrated or equivalent expandable architecture shall be acceptable.
Parameter modules, where applicable, should allow efficient configuration with minimal interruption to monitoring.

VITAL SIGNS MONITOR
Optional Advanced Features:
Additional validated monitoring parameters or advanced analysis capabilities may be offered.
Such features shall not be mandatory unless specifically stated and shall not be used to restrict otherwise compliant systems.
Accessories
Adult/pediatric NIBP cuffs – 04 sets/sizes, appropriate to the supplied monitor.
SpO_2 probes/sensors – 04
ECG patient cables/leads – 04 sets
Temperature probes/cables – 04
All standard accessories required for immediate operation shall be supplied.
Documentation, Installation & Acceptance
Original manufacturer technical specification/data sheet shall be provided.
Supplier shall provide installation, commissioning and user training.
Complete system shall be demonstrated at installation.
Acceptance testing shall verify the offered parameters, alarms, display, waveform quality, data storage, battery operation and other specified functions.
Manufacturer-authorized/local service support and availability of spare parts shall be ensured during the warranty period.

Price Schedule

For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
EPADS

General Conditions of Contract

A. General

1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

a. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

b. The “Arbitrator” is the person appointed with mutual consent of both the parties, to resolve contractual disputes as provided for in the General Conditions of the Contract GCC Clause 35 hereunder.

c. “Authority” means Public Procurement Regulatory Authority.

d. The “Commencement Date” is the date when the Supplier shall commence execution of the contract as specified in the SCC.

e. “Completion date” means the date of completion of the Contract by the Bidder as certified by the Procuring Agency.

f. “Procuring Agency” means:-

a. any Ministry, Division, Department or any Office of the Government;

b. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;.

g. “The Contract” means an agreement enforceable by law;

h. “The Contract Price” means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;

i. “Ancillary Services” means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;

j. “GCC” means the General Conditions of Contract contained in this section;

k. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

l. **“**Day” means calendar day unless indicated otherwise.

m. “Defective Goods” are those goods which are below standards, requirements or specifications stated by the Contract.

n. “Delivery” means the transfer of the goods from the supplier equipment, machinery, and /or other materials which the Supplier is required to supply to the Procuring Agency under Contract.

o. “Effective Date” means the date on which this Contract comes into force and effect.

p. “Force Majeure” means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances. and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by Government agencies.

q. The Bidder” means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;

r. “The Project Site,” where applicable, means the place or places named in Bids Data Sheet and technical Specifications;

s. “Government” means the Government of Pakistan;

t. “Subcontractor” means any entity to which the Bidder subcontracts any part of the Goods.

u. The “Services” means the work to be performed by the Bidder pursuant to this Contract and as prescribed in the Specifications and Schedule of Activities included in the Bidder’s Bids;

v. “Party” means the Procuring Agency or the Bidder, as the case may be, and “Parties” means both of them;

w. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

x. “Completion Date” means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

y. “In Writing” means communicated in written form with proof of receipt;

z. “Local Currency” means the currency of Pakistan;

a. “Origin” means the place where the Goods were mined, grown, or produced or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new produce results that is substantially different in basic characteristics or in purpose or utility from its components.

b. “Specification” means the Specification of the Goods and performance of incidental services in accordance with the relevant standards included in the Contract and any modification or addition made or approved by the Procuring Agency.

c. “Procuring Agency” means: -
any Ministry, Division, Department or any Office of the Federal Government;
any authority, corporation, body or organization established by or under a Federal Law or which is owned or controlled by the Federal Government;

2. Application and Interpretation

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

6. Standard

6.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, the American Standards (such as ACI, IEEE, ASME, etc.) or the Pakistani standards such as PSQCA Such standards shall be the latest issued by the concerned institution.

7. Delivery/Location

7.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in SCC.

8. Authorized Representatives / Authority of Member in charge

8.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

9. Commencement of the Contract

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

10. Program

10.1 Before commencement of the Contract, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the **SCC.**

11.2 Unless terminated earlier pursuant to Clause **GCC 16** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

14. Force Majeure

14.1 Definition

For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

14.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

14.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure. However, such period shall not exceed sixty (60) days.

14.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

15. Termination

15.1 By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

a. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

b. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

c. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;

d. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

e. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

15.2 By the Bidder

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

a. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.

b. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.

c. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.

d. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

C. Obligations of the Bidder

16. General

16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

17. Conflict of Interests

17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

a. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

b. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing

that such insurance has been taken out and maintained and that the current premiums have been paid.

20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

(a) appointing such members of the Personnel not provided by the Bidder;

(b) changing the Program of activities; and

(c) any other action that may be specified in the SCC.

21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in **SCC**. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 16.**

22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

23. Performance Guarantee

23.1 The Performance Security (or Guarantee) shall be provided to the Procuring Agency no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form acceptable to the Procuring Agency as specified in SCC, and denominated in the types and proportions of the currencies in which the Contract Price is payable as specified in the SCC.

23.2 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ------- at the discretion of the PA in the amount **specified in SCC.** In case the amount of Bids security is equal or greater than

23.3 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.4 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.5 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.**

23.6 The bid security of the successful bidder shall not be substituted with the Performance Guarantee.

24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

D. Bidder's Personnel

26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

27.2 If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Bidder shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described , at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

F. Payments to the Bidder

31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

G. Quality Control

34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder’s performance and notify him of any Defects that are found. Such checking shall not affect the Bidder’s responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

35. Correction of Defects, and

Lack of Performance Penalty

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

H. Settlement of Disputes

37. Alternate Dispute Resolution

37.1 Upon the commencement of the Procurement Contract, any disputes arising between the contracting parties shall be resolved in accordance with Rule 66 of the Public Procurement Rules, 2026.

37.2 The procuring agency may refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.

38. Change Orders

The Procuring Agency may at any time, by a written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

a)Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Agency;
b)The method of shipment or packing;
c)The place of delivery; and/or
d)The Services to be provided by the Supplier.

39. Contract Amendenments

39.1 Subject to GCC Clause 32, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

40. Sub-Contracts

40.1 The Supplier shall consult the Procuring Agency in the event of subcontracting under this contract if not already specified in the Bid. Subcontracting shall not alter the Supplier's obligations.

Special Conditions of Contract

SECTION VIII. 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 Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory**

The Supplier is:

The title of the subject procurement is: **2nd Re-Tender for Electro-Medical Equipment/s of Diabatic / Endocrine Department under PSDP project tilled "Strengthening and Up-Gradation of Cardiology and other Departments during the FY 2025-26 & 2026-27**

Number of GC Clause 3

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English.**

Number of GC Clause 5

Notices:

The addresses for the notices are:

The Authority:

FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director
FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory
+92-333-550-9275
jed@fgpc.gov.pk

Contractor/ Bidder:

[Name, address and telephone number].

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 7.1

The Authorized Representatives are:

For the Procuring Agency:

FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director
FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory
+92-333-550-9275
jed@fgpc.gov.pk

For the Bidder:

Name: ……

Designation: ……..

Address: ……..

Number of GC Clause 8

Effectiveness of the contract

Number of GC Clause 9

Commencement of Contract:

Number of GC Clause 11.2

Expiration of Contract:

Number of GC Clause 15

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 17

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17**.**

Number of GC Clause 22

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.10%** to **2.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 23

Performance Guarantee:

Instrument of Performance Guarantee shall be in the Name of : **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI)**

The amount of performance guarantee shall be **3.00%** of the contract price in acceptable form of **Pay Order, Call at Deposit**

Number of GC Clause 32

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 33

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 34

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For being Brand New, bearing relevant reference numbers of the equipment (Certificate from supplier)

For Physical Fitness having No Damages (Certificate from supplier)

For the Country of Origin as quoted by the Supplier (Certificate from manufacturer)

For conformance to specifications and performance parameters, through Prior to delivery inspection (Inspection Report by Procurement Committee / Inspection Team)

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Procurement Committee / Inspection Team)

Delivery & Documents

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

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;

Copies of the packing list identifying contents of each package;

Manufacturer's or Supplier's Valid Warranty Certificate;

Inspection Certificate issued by the Nominated Inspection Agency (if any), and the Supplier's Factory Inspection Report;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

Number of GC Clause 37

Following is the guidance for Dispute Resolution

(a) For Contracts to be entered with foreign Contractor/ Service Provider:

All disputes arising in connection with the present Contract shall be finally settled under the Rules of Conciliation and Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with said Rules.

(b) For Contracts to be entered with nationals of Pakistan:

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard.

ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties.

iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration in accordance with GCC clause 38.

iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute.
v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.:***P207360***

Alternative No.: **[insert identification No if this is a Bid for an alternative]**

To: **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;

2. Disagreement to arithmetical correction made to the Bid price; or

3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of
[insert legal capacity of person signing the Bid Securing Declaration]

Name: [insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the Bid for and on behalf of: [insert complete name of Bidder]

Dated on day of , [insert date of signing]
Corporate Seal (where appropriate)

Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the _____ day of _____ 20_____ between **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory**

(hereinafter called "the Procuring Agency") of the one part and *[name of Bidder]* of *[city and country of Bidder]* (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **2nd Re-Tender for Electro-Medical Equipment/s of Diabatic / Endocrine Department under PSDP project tilled "Strengthening and Up-Gradation of Cardiology and other Departments during the FY 2025-26 & 2026-27 (*P207360*)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract 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 Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency's Letter of Acceptance; and
8. [*add here: any other documents*]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods 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 Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

……

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder: ……

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BYTHE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: Contract Value: Contract Title:

Dated:

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

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee 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 consultations 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 GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] 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 GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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 GoP under any law, contract or other instrument, be voidable at the option of GoP.

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

Performance Guarantee Form

Performance Guarantee Form

To: **FEDERAL GOVERNMENT POLYCLINIC ISLAMABAD (FGPC-PGMI) (Federal Government Polyclinic (FGPC-PGMI)), Joint Executive Director FEDERAL GOVERNMENT POLYCLINIC (PGMI) G-6/2, ISLAMABAD, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods*(*hereinafter called "the Contract").

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

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, 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 Bidder 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: *[insert date]*

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date}

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Annexure

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

ITB and General Terms & Conditions

Information (Read-Only)

See Form Under Additional Forms and Documents: **ITB and General Terms & Conditions** (page number: 182)

specific Terms & conditions

Information (Read-Only)

See Form Under Additional Forms and Documents: **specific Terms & conditions** (page number: 183)

Force Majuare & Penalties

Information (Read-Only)

See Form Under Additional Forms and Documents: **Force Majuare & Penalties** (page number: 188)

Procurement Forms

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
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Additional Forms and Documents

INSTRUCTIONS FOR FILLING OF THE CONTRACT DOCUMENTS.

1.	The Pre-Bid meeting will be held in the main auditorium of FGPC on scheduled date and time published in the advertisement/EPAD. Observations of those bidders will be considered who have uploaded their observations on EPAD.
2.	The participant firms are directed to submit their bids on-line through EPADS -V2.0 of PPRA
3.	**The competent authority reserves the right to cancel tender process under 33(1) of PPRA Rules.**
4.	All the documents attached must be attested/signed & stamped by owner/authorized person of firm.
5.	Participant bidders are directed to upload copies of judicial papers and Pay Order/CDR on EPADS-V2.0. Original Stamp paper along with Original CDR must be submitted to FGPC before or at the date and time of Bid opening by the bidder.

A. GENERAL CONDITIONS.

1.	This contract is under PSDP for the FY 2025-26 & 2026-2027.
2.	The successful bidder will be awarded contract after submission of 3**% performance guarantee**, **integrity pact + contract agreement and** safe guard certificate **on legally Stamp paper / E-Stamp (at least Rs.300 or more) duly attested by Notary public or Oath Commissioner** that he agrees to supply the items on approved rates within the stipulated period in accordance with tender TORs.
3.	The bidder must provide Technical brochures/Literature, brand, country of origin, country of manufacturing of quoted item/material with the bid.
4.	**The Bidder/supplier will quote rates inclusive of all applicable taxes.**
5.	All items will be received on FOR basis, FGPC Islamabad.
6.	**Bid validity is 120 days** from the date of opening of the tender.
7.	The deliveries must be made according to supply orders**.**
8.	The quantity mentioned in the bidding document is tentative/estimate in nature. However the same can be increased or decreased according to the need of the institution and available funds.
9.	In case of any failure in supply within prescribed period, the reminder for the period of 15 days will be issued. Failing to supply after reminder, penalty will be imposed according to tender TOR's.
10.	Before awarding contract, letter of intent will be issued to firms.
11.	The bidder should apply through online portal of PPRA, EPADS Version.2
12.	In case of any dispute the matter will be dealt according to PPRA rules.
13.	The Executive Director FGPC reserves the right to accept or reject any tender/all tenders under PPRA Rules.
14.	The owner of the firm or authorized person must sign/validate bid documents including undertakings.

. SPECIFIC TERMS & CONDITIONS AND RESPONSIBILITIES.

1.	**The bidder must provide Technical Brochure/literatures and technical datasheet approved/provided by original manufacturer of quoted item/equipment along with its model and number which must be currently listed on the official website of the manufacturer.**
2.	**The product must comply with certifications specified in the specifications of each item or package. In case of local instruments or in instruments where certifications are not applicable, manufacturer ISO certification must be provided.**
3.	**The bid must comply with technical specifications of the quoted single item or complete package as published in the tender. Any deviation from the specifications of main equipment may result in straightaway rejection. However minor deviation in the specifications will be acceptable subject to the approval of procurement committee.**
4.	**The bidder will be responsible for onsite demonstration or on video demonstration of quoted item on their own expense, if desired by procurement committee.**
5.	**The bid/documents uploaded by the bidder on EPADS version.2 will be final and should be accepted only.**
6.	**Warranty period: The bidder must submit Undertaking/declaration on legally Stamp paper / E-Stamp duly attested by Notary public or Oath Commissioner regarding required warranty period as per bidding document of equipment and also declare the availability of parts and accessories for the period defined in bidding documents after installation of equipment. The bidder also undertake that they will be responsible for Free of cost replacement of parts and repair/service during warranty period.**
7.	**The warranty shall cover all parts, accessories, probe, sensor, cables, batteries, electronic boards, displays, software, labors, travel, transportation, calibration, preventive maintenance and corrective maintenance required to keep equipment fully functional. No charges shall be payable by procuring agency during the warranty period except for damage conclusively established as a resulting from misuse or external cause.**
8.	**The warranty shall automatically be extended by the total period during which the equipment remain nonfunctional or unavailable for clinical use due to fault covered under warranty.**
9.	**The bidder and its manufacturer shall provide an undertaking confirming the availability of genuine spare parts, accessories, consumable, software support and technical services for at least 10 years from the date of installation of equipment.**
10	**The supplier shall notify the procuring agency at least three months for major equipment's and one month for minor equipment before discontinuation of any model, spare parts, accessories, consumable, software platform or technical support. A compatible and approved alternative shall be offered without adversely affecting the installed equipment performance.**
11	The payment will be made after installation and satisfactory report of the end-user/head of department duly verified by procuring agency.
12	The approved rates will be final and there will be no increase in rates and no escalation clause.
13	All products/items should be supplied in proper packing and in sealed position.
14	The freight charges will be borne by the suppliers.

15	Package should be worthy of transportation by Road, Sea, or mail as to ensure its contents being free from loss of damage due to faulty packing.
16	**Commencement of warranty:** The warranty for each item shall commence from the date of successful installation, commissioning, acceptance testing, completion of initial training, and issuance of the Final Acceptance Certificate by the authorized end-user, whichever occurs last.
17	**Installation and commissioning:** Installation and commissioning shall be performed by qualified, manufacturer-trained technical personnel. All installation materials, connectors, stabilizers, UPS units, mounting accessories, software, licenses, calibration tools, and other items required for safe and complete operation shall be included unless expressly excluded in the specifications.
18	**training:** The successful bidder shall provide structured operational, clinical-application, cleaning, basic troubleshooting, and user-maintenance training during a period of at least six weeks after installation at the premises of FGPC. Training shall cover all relevant shifts and nominated end-users without additional cost.
19	**Training documentation:** The supplier shall provide a training plan, attendance record, training certificates, competency checklist, and soft and hard copies of user manuals. Refresher training shall be provided at least once during each warranty year and whenever major software or hardware changes are introduced.
20	**After-sales infrastructure:** The bidder shall maintain, directly or through an authorized service arrangement, an adequately equipped after-sales service facility capable of meeting the response and repair times stated in the bidding documents. The Procuring Agency may inspect the facility before award or during the contract.
21	**Personnel for each tender item:** The bidder shall nominate for every quoted item or lot: a. At least one manufacturer-trained service engineer or qualified biomedical engineer; b. At least one suitably qualified backup engineer; and c. Where applicable, one clinical application specialist.
22	**Evidence of personnel:** Names, qualifications, experience, contact details, CVs, and valid manufacturer training certificates of the nominated personnel shall be submitted with the technical bid. A mere undertaking to arrange personnel after award shall not be sufficient.
23	**Availability of personnel:** The nominated service personnel shall remain available throughout installation, commissioning, training, and the entire warranty period. Replacement of nominated personnel shall require prior written approval of the Procuring Agency, and the substitute shall possess equivalent or higher qualifications.
24	**Service contact:** The supplier shall provide a twenty-four-hour complaint telephone number, email address, and escalation contact. Every complaint shall be assigned a unique service-call number and acknowledged electronically.

25	**Response time:** a. Telephone or remote response: within 30 minutes; b. On-site attendance for defibrillators, cardiac monitors, ICU equipment, and other critical items like Dialysis machine, ventilator, Anesthesia machine: within four hours; c. On-site attendance for non-critical equipment: within eight working hours; d. If the service centre is outside Islamabad or Rawalpindi, the bidder shall demonstrate how these response times will be achieved.
26	**Repair time:** Critical equipment shall be restored to full working condition within twenty-four hours and non-critical equipment within forty-eight hours after notification.
27	**Standby equipment:** If repair cannot be completed within the prescribed period, the supplier shall provide, at no cost, equivalent or better standby equipment within the next twenty-four hours for critical equipment and within seventy-two hours for other equipment.
28	**Equipment uptime:** The supplier shall maintain minimum operational uptime of 95% for equipment, calculated annually. Downtime attributable to hospital infrastructure, misuse, or force majeure shall be excluded only when properly documented and accepted by the Procuring Agency.
29	**Planned preventive maintenance:** Preventive maintenance shall be performed according to the manufacturer's recommended schedule or at least once every quarter or as per bidding documents, whichever provides greater protection. Maintenance shall be coordinated with the end-user to avoid disruption of patient care.
30	**Calibration and safety testing:** Preventive maintenance shall include calibration, performance verification, electrical-safety testing, functional checks, cleaning, lubrication, software checks, and replacement of parts due for routine replacement. Traceable calibration certificates and service reports shall be provided.
31	**Service records:** A service logbook shall be maintained for each item . Every service report shall record the complaint, date and time reported, response time, diagnosis, action taken, parts replaced, calibration status, downtime, and signatures of the service engineer and end-user duly verified by Bio-medical Department, FGPC
32	**Genuine parts:** Only new, genuine, manufacturer-approved parts and accessories shall be used. Repaired, salvaged, refurbished, locally substituted, or counterfeit parts shall not be accepted without prior written approval of the Procuring Agency.
33	**Software and firmware:** All software, licences, passwords, service access, firmware updates, security patches, and upgrades required for the contracted functionality shall be included during the warranty period. No equipment shall become partly or wholly unusable due to expiry of an undisclosed licence or subscription.
34	**Cyber security and data protection:** For network-enabled equipment, the supplier shall provide available security updates, vulnerability notifications, secure configuration guidance, data-backup procedures, and protection against unauthorized access throughout the warranty period.

35	**Safety alerts and recalls:** The supplier shall notify the Procuring Agency promptly of any manufacturer safety alert, field safety corrective action, or product recall and shall perform all required corrections or replacements without cost.
36	**Acceptance testing:** The end-user may verify quantity, configuration, accessories, performance, electrical safety, calibration, connectivity, and compliance with the contracted specifications. Defective, incomplete, substituted, or non-compliant equipment may be rejected.
37	**Documents required before acceptance:** The supplier shall provide the following for each item: a. Manufacturer's warranty certificate; b. Installation and commissioning report; c. Acceptance-testing and calibration certificates; d. User and service manuals; e. Complete inventory of supplied accessories; f. Recommended spare-parts and consumables list with part numbers; g. Preventive-maintenance schedule; h. Service and escalation contact matrix; and i. Training-completion records.
38	**Supplier's continuing responsibility:** Change or termination of dealership, distributorship, or manufacturer authorization shall not relieve the successful bidder of contractual, warranty, maintenance, spare-parts, or after-sales obligations.
39	**Subcontracting:** After-sales service shall not be subcontracted without prior written approval of the Procuring Agency. Approved subcontracting shall not reduce the successful bidder's responsibility or liability.
40	**Failure to provide services:** If the supplier fails to respond, repair, replace, or provide standby equipment within the stipulated time, the Procuring Agency may arrange repair or replacement from another source at the supplier's risk and cost, without prejudice to other contractual remedies.
41	**Performance and warranty security:** The performance guarantee or separate warranty security, in the amount and form specified in the Special Conditions of Contract, shall remain valid until completion of the relevant contractual and warranty obligations.
42	**Service-level penalties:** Failure to meet response time, repair time, preventive-maintenance, uptime, training, or standby-equipment requirements shall attract the lack-of-performance penalty or liquidated damages specified in the Special Conditions of Contract. Such deductions shall not relieve the supplier of its obligation to repair or replace the equipment.
43	**Post-warranty support:** The bidder shall submit separately itemized rates for comprehensive and non-comprehensive annual maintenance for at least five years after expiry of the warranty. These rates and their permitted annual adjustment mechanism shall be declared in the financial bid.
44	**Inspection and verification:** The Procuring Agency may verify the bidder's service facility, spare-parts inventory, tools, test equipment, manufacturer authorization, and availability of nominated personnel before award and at any time during contract performance **(If required/necessary).**

45	Declaration of no conflict of interest in accordance with the bidding documents, including disclosure of related entities participating in the same procurement.
46	Compliance sheet of specifications/bidding documents for each quoted instrument will be given.
47.	The sole agent of Manufacturer will be responsible to provide valid authorization letter from manufacturer duly attested by the relevant Consulate general of Pakistan before supply of the approved product/item.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

FORCE MAJEURE.

01.	For the purposes of this clause Force Majeure means an act of God or an event beyond the control of the supplier and not involving the supplier's fault or negligence directly or indirectly purporting to miss planning, miss management and/or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing with sufficient and valid evidence of such condition and the cause thereof. The Force Majeure Committee will examine the pros and cons of the case and all reasonable alternative means for completion of supply order under this Contract and will submit its recommendations to the competent authority. However, unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the Force Majeure event.
	Non-compliance of supply order. If the supply order is not completed **within stipulated period** one or more of the following penalties can be applied against the firm according to the gravity of situation. a. A penalty @ 0.1% per day against the amount of pending item (s) of the supply order shall be imposed maximum upto 2% of the supply order. b. Risk purchase will be made at the cost of supplier and amount will be deducted from the bills of supplier. c. The contract of the supplier will be treated as cancelled and the order for supply of item (s) will be placed to the next lowest. d. Total or partial earnest money (CDR) will be forfeited. e. The firm will be debarred for business at FGPC for that year. f. The firm will be blacklisted. g. In case of any complaint about the penalty(s) imposed on the firm, the firm can appeal against the decision in the Grievance Redressal Committee within 15 days of the issue of penalty(s) letter. After the lapse of this period no appeal will be entertained.