

**PMIU-PROJECT MANAGEMENT & IMPLEMENTATION UNIT-REVAMPING OF
NON-TEACHING DHQ HOSPITALS IN KHYBER PAKHTUNKHWA,**

HEALTH DEPARTMENT

Government of Khyber Pakhtunkhwa



BID SOLICITATION DOCUMENTS (BSDs)

Under National Competitive Bidding (NCB)

FOR

**PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE,
INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-
TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE
FINANCIAL YEAR 2025-26. (Through EPADS)**

Preface

These Bidding Documents have been prepared for use by the Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa project under National Competitive Bidding (NCB) through Khyber Pakhtunkhwa Procurement of Goods, Works & Services Rules 2014.

Following the standard bidding document Format, this document contains two parts. Part one which is Fixed and is having two sections i.e., Section 1, 2 (ITB instruction to bidders, GCC general conditions of Contract) are duplicated here while part II has six sections, i.e.

- i. Invitation for Bids (IFB)
- ii. Bid Data Sheet (BDS)
- iii. Special Conditions of Contract (SCC)
- iv. Schedule of Requirements
- v. Technical Specifications
- vi. Sample Forms

To ensure maximum utilization of the supplied equipment, training of technical personals and end users is an essential part of the bid. To go further, second stage handing taking over of the supplied equipment after the expiry of standard warranty is hereby included in this specific bid. The bidders are also expected to take into consideration the feasibility for their Quoted equipment. As for as the standard warranty is concerned, in case of unnecessary breakdown / Prolonged Breakdown, for their warranty will be considered freeze until the equipment is functionalized.

Efforts are made here to make the document flawless, however in case of any errors or mistake and quarries, the bidders are expected to highlight it in the pre bid meeting for rectification alignment of the document. Furthermore, the manufacturer /suppliers can share the literature for advance Technological development in medical equipment as a futuristic activity in order to enhance the specifications accordingly. Proper submission of the bid is highly appreciated.

Contents

| | |
|---|-----------|
| Part One - Section I..... | 7 |
| Instructions to Bidders | 7 |
| A. Introduction | 8 |
| 1. Source of Funds..... | 8 |
| 2. Eligible Bidders..... | 8 |
| 3. Eligible Goods and Services..... | 9 |
| 4. Cost of Bidding | 9 |
| B. The Bidding Documents..... | 9 |
| 5. Content of Bidding Documents | 9 |
| 6. Clarification of Bidding Documents | 10 |
| 7. Amendment of Bidding Documents | 10 |
| C. Preparation of Bids | 10 |
| 8. Language of Bid | 10 |
| 9. Documents Comprising the Bid..... | 10 |
| 10. Bid Form..... | 10 |
| 11. Bid Prices..... | 10 |
| 12. Bid Currencies | 11 |
| 13. Documents Establishing Bidder's Eligibility and Qualification..... | 11 |
| 14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents | 12 |
| 15. Bid Security | 12 |
| 16. Period of Validity of Bids..... | 13 |
| 17. Format and Signing of Bid | 13 |
| D. Submission of Bids | 14 |
| 18. Sealing and Marking of Bids | 14 |
| 19. Deadline for Submission of Bids..... | 14 |
| 20. Late Bids | 14 |
| 21. Modification and Withdrawal of Bids..... | 14 |
| E. Opening and Evaluation of Bids | 15 |
| 22. Opening of Bids by the Procuring agency | 15 |
| 23. Clarification of Bids..... | 15 |
| 24. Preliminary Examination | 15 |
| 25. Evaluation and Comparison of Bids | 16 |

| | |
|--|-----------|
| 26. Contacting the Procuring agency..... | 19 |
| F. Award of Contract | 19 |
| 27. Post-qualification..... | 19 |
| 28. Award Criteria..... | 19 |
| 29. Procuring agency's Right to Vary Quantities at Time of Award | 19 |
| 30. Procuring agency's Right to Accept any Bid and to Reject any or All Bids..... | 19 |
| 31. Notification of Award | 20 |
| 32. Signing of Contract | 20 |
| 33 Performance Security..... | 20 |
| 34. Corrupt or Fraudulent Practices..... | 20 |
| 35. Integrity Pact | 21 |
| Part One - Section II..... | 22 |
| General Conditions of Contract | 22 |
| 1. Definitions..... | 23 |
| 2. Application..... | 23 |
| 3. Country of Origin..... | 23 |
| 4. Standards..... | 24 |
| 5. Use of Contract Documents and Information; Inspection and Audit by the Government | 24 |
| 6. Patent Rights | 24 |
| 7. Performance Security | 24 |
| 8. Inspections and Tests..... | 25 |
| 9. Packing | 25 |
| 10. Delivery and Documents..... | 25 |
| 11. Insurance | 26 |
| 12. Transportation..... | 26 |
| 13. Incidental Services | 26 |
| 14. Spare Parts..... | 26 |
| 15. Warranty | 27 |
| 16. Payment..... | 27 |
| 17. Prices..... | 27 |
| 18. Change Orders | 28 |
| 19. Contract Amendments | 28 |
| 20. Assignment | 28 |
| 21. Subcontracts | 28 |

| | |
|--|-----------|
| 22. Delays in the Supplier's Performance | 28 |
| 23. Liquidated | 29 |
| 24. Termination for Default | 29 |
| 25. Force Majeure | 29 |
| 26. Termination for Insolvency | 30 |
| 27. Termination for Convenience | 30 |
| 28. Resolution of Disputes | 30 |
| 29. Governing Language | 30 |
| 30. Applicable Law | 31 |
| 31. Notices | 31 |
| 32. Taxes and Duties | 31 |
| Part Two | 34 |
| Section I. Invitation for Bids | 34 |
| <i>Invitation for Bids</i> | 35 |
| Section II. Bid Data Sheet | 38 |
| <i>Bid Data Sheet</i> | 38 |
| Section III. Special Conditions of Contract | 41 |
| 1. Definitions (GCC Clause 1) | 41 |
| 2. Sample Provision | 41 |
| 3. Country of Origin (GCC Clause 3) | 41 |
| 4. Performance Security (GCC Clause 7) | 42 |
| 5. Standards (GCC Clause 4) | 42 |
| 6. Inspections and Tests | 42 |
| 7. Packing (GCC Clause 9) | 42 |
| 8. Delivery and Documents (GCC Clause 10) | 42 |
| 9. Warranty (GCC Clause 15) | 42 |
| 10. Payment (GCC Clause 16) | 43 |
| 11. Prices (GCC Clause 17) | 44 |
| 13. Liquidated Damages (GCC Clause 23) | 44 |
| 14. Disputes Resolution (GCC Clause 28) | 44 |
| 15. Bid Tie | 44 |
| 16. Governing Language (GCC Clause 29) | 44 |
| 17. Applicable Law (GCC Clause 30) | 44 |
| 18. Notices (GCC Clause 31) | 45 |

| | |
|---|-------------------------------------|
| 19. Duties & Taxes (GCC clause 32) | 45 |
| 20. Legal Documentary Proof | 45 |
| 21. Ineligibility for Corrupt and Fraudulent Practices | 45 |
| 22. Letter of Authorization | 45 |
| 23. Technical Staff and Tools | 45 |
| 24. Minor Deviation | 45 |
| 25. Deviation from critical provision | 46 |
| 26. Prevailing Rules, Regulation and Policies | 46 |
| 27. Alternate Bid | 46 |
| 28. After Sale Service | 46 |
| 29. Testing and Calibration | 46 |
| 30. Manufacturer Official Website | 46 |
| 31. Inspection of the Premises | 46 |
| 32. Opening of the Financial Proposals | 46 |
| 33. Incomplete and Conditional Bids | 46 |
| 34. Bidders Influence | 46 |
| 35. Quantity Variation | 47 |
| 36. Original Equipment Manufacturer | 47 |
| 37. List of Related tools / spare parts | 47 |
| 38. Periodic Preventive Maintenance (PPM) | 47 |
| 39. Details of Kits/reagent Prices for Laboratory Items | 47 |
| 40. Extended warranty | Error! Bookmark not defined. |
| 41. Technical Bid Submission Format | 47 |
| Section IV. Schedule of Requirements | 49 |
| Section V Technical Specifications | Error! Bookmark not defined. |
| Section VI. Sample Forms | 144 |
| <i>Bid Form 1</i> | 145 |
| <i>Bid Form 2</i> | 147 |
| <i>Bid Form 3</i> | 148 |
| <i>Bid Form 4</i> | 149 |
| <i>Bid Form 5</i> | 150 |
| <i>Bid Form 6</i> | 151 |
| <i>Bid Form 7</i> | 155 |

Part One - Section I

Instructions to Bidders

Notes on the Instructions to Bidders

This section of the bidding documents provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring agency. It also provides information on bid submission, opening, and evaluation, and on the award of contract.

Part One Section I contains provisions that are to be used unchanged. Part Two Section II (Bid Data Sheet) consists of provisions that supplement, amend, or specify in detail information or requirements included in Part One Section I and which are specific to that procurement.

Matters governing the performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are not normally included in this section, but rather under Part one Section II, General Conditions of Contract, and/or Part Two Section III, Special Conditions of Contract. If duplication of a subject is inevitable in the other sections of the document prepared by the Procuring agency, care must be exercised to avoid contradictions between clauses dealing with the same matter.

A. Introduction

1. Source of Funds

- 1.1 The Procuring agency has received/applied for loan / grant / federal / provincial / local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /schemes specified in the bidding data and it is intended that part of the proceeds of this loan/grant/funds/ will be applied to eligible payments under the contract for which these bidding documents are issued.
- 1.2 The funds referred to above in addition shall be “Public Fund” which according to 2 (l) of KPP Rules 2014 means (i) Provincial Consolidated Fund; (ii) foreign assistance; (iii) all moneys standing in the Public Account; and (iv) Funds of enterprises wholly or partly owned or managed or controlled by Government.
- 1.3 Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Khyber Pakhtunkhwa., and in case of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Khyber Pakhtunkhwa Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

2. Eligible Bidders

- 2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the KPP Rules, 2014 and its Bidding Documents except as provided hereinafter.
- 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- 2.3 Government-owned enterprises in the Province of Khyber Pakhtunkhwa may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Khyber Pakhtunkhwa.
- 2.4 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPP Rules 2014.

- 3. Eligible Goods and Services**
- 3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries of the world with whom the Islamic Republic of Pakistan has commercial relations and its Bidding Documents and all expenditures made under the contract will be limited to such goods and services.
- 3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the Bidder.
- 4. Cost of Bidding**
- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as “the Procuring agency,” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

- 5. Content of Bidding Documents**
- 5.1 The bidding documents include:
- a) Instructions to Bidders (ITB)
 - b) Bid Data Sheet
 - c) General Conditions of Contract (GCC)
 - d) Special Conditions of Contract (SCC)
 - e) Schedule of Requirements
 - f) Technical Specifications
 - g) Bid Form and Price Schedules
 - h) Bid Security Form
 - i) Contract Form
 - j) Performance Security Form
 - k) Manufacturer’s Authorization Form
- 5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in the rejection of its bid.

- 6. Clarification of Bidding Documents**
- 6.1 An interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Bidding Procuring agency will respond in writing to any request for Documents clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.
- 7. Amendment of Bidding Documents**
- 7.1 At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by an interested Bidder, may modify the bidding documents by amendment.
- 7.2 All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.
- 7.3 In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

- 8. Language of Bid**
- 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Comprising the Bid**
- 9.1 The bid prepared by the Bidder shall comprise the following components:
- a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12
 - b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
 - c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
 - d) bid security furnished in accordance with ITB Clause 15.
- 10. Bid Form**
- 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 11. Bid Prices**
- 11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
- 11.2 Prices indicated on the Price Schedule shall be delivered duty paid

(DDP) prices. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately.

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

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

12. Bid Currencies

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

13. Documents Establishing Bidder's Eligibility and Qualification

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

13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 3.

13.3 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Procuring agency's satisfaction:

- a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring agency's country;
- b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- c) that, in the case of a Bidder not doing business within the Procuring agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

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

- 14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.
- 14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
- a) a detailed description of the essential technical and performance characteristics of the goods;
 - b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and
 - c) an item-by-item commentary on the Procuring agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

- 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet. [The bid security shall be submitted from the account of the firm/bidder/contractor who submits the bid]¹
- 15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.
- 15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:

¹ Inserted by KPPRA Notification No. KPPRA/M&E/Estt/1-12/2017-18 dated April 05, 2018.

a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or

b) Irrevocable encashable on-demand Bank call-deposit.

15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as non-responsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Procuring agency pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.

15.7 The bid security may be forfeited:

a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or

b) in the case of a successful Bidder, if the Bidder fails:

i. to sign the contract in accordance with ITB Clause 32; or

ii. to furnish performance security in accordance with ITB Clause 33.

16. Period of Validity of Bids

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

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

17. Format and Signing of Bid

17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

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

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

D. Submission of Bids

18. Sealing and Marking of Bids

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

- 18.2 The inner and outer envelopes shall:

- a. be addressed to the Procuring agency at the address given in the Bid Data Sheet; and
- b. bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.2.

- 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late”.

- 18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Procuring agency will assume no responsibility for the bid’s misplacement or premature opening.

19. Deadline for Submission of Bids

- 19.1 Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.

- 9.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late Bids

- 20.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids

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

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

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

- 21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity

specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Procuring agency

- 22.1 The Procuring agency will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.
- 22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.
- 22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.
- 22.4 The Procuring agency will prepare minutes of the bid opening.

23. Clarification of Bids

- 23.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The Bids request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

24. Preliminary Examination

- 24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 24.3 The Procuring agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- 24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25 the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's

responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

25. Evaluation and Comparison of Bids

24.5 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.

25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:

- a. incidental costs
- b. delivery schedule offered in the bid;
- c. deviations in payment schedule from that specified in the Special Conditions of Contract;
- d. the cost of components, mandatory spare parts, and service;
- e. the availability Procuring agency of spare parts and after-sales services for the equipment offered in the bid;
- f. the projected operating and maintenance costs during the life of the equipment; the performance and productivity of the equipment offered; and/or
- g. other specific criteria indicated in the Bid Data Sheet and/or
- h. in the Technical Specifications.

25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

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

b. Delivery schedule.

i. The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.

or

ii. The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as non-responsive. Within

this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

or

- iii. The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

c. Deviation in payment schedule:

- i. Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder.

or

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

d. Cost of spare parts.

- i. The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

- ii. The Procuring agency will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.

or

- iii. The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in

similar situations. Such costs shall be added to the bid price for evaluation.

- e. Spare parts and after sales service facilities in the Procuring agency's country.

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

- f. Operating and maintenance costs.

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

- g. Performance and productivity of the equipment.

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

or

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

- h. Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

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

Alternative

25.5 Merit Point System:

The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

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

| | |
|---|----------|
| Evaluated price of the goods | 60 to 90 |
| Cost of common list spare parts | 0 to 20 |
| Technical features, and maintenance and operating | 0 to 20 |

costs

Availability of service and spare parts 0 to 20

Standardization 0 to 20

Total 100

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

26. Contacting the Procuring agency

26.1 Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.

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

F. Award of Contract

27. Post-qualification

27.1 In the absence of prequalification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.

27.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Procuring agency deems necessary and appropriate.

27.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

28. Award Criteria

28.1 Subject to ITB Clause 30, the Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

29. Procuring agency's Right to Vary Quantities at Time of Award

29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

30. Procuring agency's Right to Accept any Bid and

30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or

to Reject any or All Bids

bidders of the grounds for the Procuring agency's action.

31. Notification of Award

- 31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.
- 31.2 The notification of award will constitute the formation of the Contract.
- 31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.

32. Signing of Contract

- 32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 32.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

33 Performance Security

- 33.1 Within twenty (20) days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

34. Corrupt or Fraudulent Practices

- 34.1 The Government of Khyber Pakhtunkhwa requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the KPPRA, in accordance with the KPP Act, 2009 and Rules made thereunder:
 - a. defines, for the purposes of this provision, the terms set forth below as follows:
 - i. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - ii. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Procuring agency of the benefits of free and

open competition;

- b. will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- c. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

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

35. Integrity Pact

35.1 The Bidder shall sign and stamp the Integrity Pact provided at Form - 5 to Bid in the Bidding Document for all Provincial Government procurement contracts exceeding Rupees ten million. Failure to such Integrity Pact shall make the bidder non-responsive.

Part One - Section II.

General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract in Part One Section II, read in conjunction with the Special Conditions of Contract in Part Two Section III and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

The General Conditions of Contract herein shall not be altered. Any changes and complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract in Part Two Section III.

General Conditions of Contract

1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- a. “The Contract” means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - b. “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
 - c. “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.
 - d. “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
 - e. “GCC” means the General Conditions of Contract contained in this section.
 - f. “SCC” means the Special Conditions of Contract.
 - g. “The Procuring agency” means the organization purchasing the Goods, as named in SCC.
 - h. “The Procuring agency’s country” is the country named in SCC.
 - i. “The Supplier” means the individual or firm supplying the Goods and Services under this Contract.
 - j. “The Project Site,” where applicable, means the place or places named in SCC.
 - k. “Day” means calendar day.

2. Application

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

3. Country of Origin

- 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and further elaborated in the SCC.
- 3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

| | | |
|---|-----|---|
| | 3.3 | The origin of Goods and Services is distinct from the nationality of the Supplier. |
| 4. Standards | 4.1 | The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution. |
| 5. Use of Contract Documents and Information; Inspection and Audit by the Government | 5.1 | The Supplier shall not, without the Procuring agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance. |
| | 5.2 | The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract. |
| | 5.3 | Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contract if so, required by the Procuring agency. |
| | 5.4 | The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required. |
| 6. Patent Rights | 6.1 | The Supplier shall indemnify the Procuring agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring agency's country. |
| 7. Performance Security | 7.1 | Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC. |
| | 7.2 | The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract. |
| | 7.3 | The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms: <ul style="list-style-type: none"> a. a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or b. a cashier's or certified check. |

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

8. Inspections and Tests

- 8.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.
- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.

10. Delivery and Documents

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

- 10.2 Documents to be submitted by the Supplier are specified in SCC.
- 11. Insurance**
- 11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers' responsibility.
- 12. Transportation**
- 12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 13. Incidental Services**
- 13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;
 - b. furnishing of tools required for assembly and / or maintenance of the supplied Goods;
 - c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
 - d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
 - e. training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.
- 14. Spare Parts**
- 14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
- a. such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
 - b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements;
 - ii. following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications

of the spare parts, if requested.

15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

16. Payment

- 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.
- 16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
- 16.4 The currency of payment is Pak. Rupees.

17. Prices

- 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.

| | |
|---|--|
| 18. Change Orders | <p>18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:</p> <ul style="list-style-type: none"> 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. <p>18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.</p> |
| 19. Contract Amendments | <p>19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.</p> |
| 20. Assignment | <p>20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.</p> |
| 21. Subcontracts | <p>21.1 The Supplier shall notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.</p> <p>21.2 Subcontracts must comply with the provisions of GCC Clause 3.</p> |
| 22. Delays in the Supplier's Performance | <p>22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.</p> <p>22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.</p> <p>22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2</p> |

without the application of liquidated damages.

**23. Liquidated
Damages**

- 2.31 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

**24. Termination for
Default**

- 24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- a. if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
 - b. if the Supplier fails to perform any other obligation(s) under the Contract.
 - c. if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

- 24.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 25.2 For purposes of this clause, “Force Majeure” means an event beyond the

control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

- 25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26. Termination for Insolvency**
- 26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.
- 27. Termination for Convenience**
- 27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency may elect:
- a. to have any portion completed and delivered at the Contract terms and prices; and/or
 - b. to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.
- 28. Resolution of Disputes**
- 28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.
- 29. Governing Language**
- 29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

- 30. Applicable Law**
- 30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.
- 31. Notices**
- 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 32. Taxes and Duties**
- 32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

**PMIU-REVAMPING OF NON-TEACHING DHQ HOSPITALS
ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL
YEAR 2025-26.**

**HEALTH DEPARTMENT
GOVERNMENT OF KHYBER PAKHTUNKHWA**



BID SOLICITATION DOCUMENTS (BSDs)

Under National Competitive Bidding (NCB)

FOR

**PURCHASE OF MEDICAL EQUIPMENT, MEDICAL
FURNITURE, INSTRUMENTS AND OTHER HOSPITAL
SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ
HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE
FINANCIAL YEAR 2025-26. (Through EPADS)**

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

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

Part Two

Section I. Invitation for Bids

Notes on the Invitation for Bids

The Invitation for Bids (IFB) has been issued as an advertisement in leading newspapers of general circulation in the Province of Khyber Pakhtunkhwa as well as on the web site of the Health Department (www.healthkp@gov.pk) , www.dghskp.gov.pk by allowing at least fifteen days for NCB for bid preparation and submission.

The Invitation for Bids provides information that enables interested bidders to decide whether to participate. Apart from the essential items listed in the Standard Bidding Documents (SBD), the Invitation for Bids also indicates the important bid evaluation criteria or qualification requirement (for example, a requirement for a minimum level of experience in manufacturing a similar type of goods for which the Invitation for Bids is issued) so that the bidders should give their best and final prices as no negotiations are allowed.

The Invitation for Bids is incorporated into these Standard Bidding Documents (SBDs). The information contained in the Invitation for Bids (IFB) conforms to the bidding documents and in particular to the relevant information in the Bid Data Sheet.

INVITATION FOR BIDS THROUGH EPADS

REVAMPING OF NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA, HEALTH DEPARTMENT GOVT. OF KHYBER PAKHTUNKHWA, PESHAWAR.

PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26.

1. In compliance with Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Act, 2012 and Rules, 2014, Project Director Revamping Of Non-Teaching DHQs Hospitals across Khyber Pakhtunkhwa, invites bids through E-Pak Acquisition and Disposal (EPADS) Systems (<https://kp.eprocure.gov.pk/>), through National Competitive Bidding from Manufacturers, Importers and Authorized Dealers for Purchase Of Medical Equipment, Medical Furniture, Instruments And Other Hospital Supplies For Revamping Of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa for the financial year 2025-26.
2. Bidding competition under this advertisement shall be conducted through **Single Stage–Two Envelopes** Bidding Procedure as per KPPRA Act, 2012 and rules framed there under. Under this procedure, the bidders shall submit a hard copy of the original bids (**which are scanned and duly submitted through EPADS**) in two sealed envelopes of technical and financial bids, each of which must bear on them the clearly written words “PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26” as well as the full and complete identification of the bidder along with its postal and email addresses and phone number/s on each of the respective envelopes. Both the sealed and labeled envelopes shall be placed inside another outer envelope of appropriate size which shall also be sealed and bear clearly written words as mentioned above along with the identification and contact details of the bidder.
3. The Bid Solicitation Documents, other than the application form mentioned above, for this bidding competition may be downloaded from the www.kppra.gov.pk, www.healthkp.gov.pk and <https://portalkp.eprocure.gov.pk/>.
4. Category wise pre-bid meetings with the interested bidders will be held on **18th and 19th August (Monday and Tuesday), 2025** in accordance with the schedule mentioned in the Bid Solicitation Documents. The bidders shall thoroughly study the Bid Solicitation Documents before the Pre-Bid meeting and bring their queries / suggestions to the forum for clarification/understanding and the same shall be submitted in written before the Pre-Bid meeting. In case of non-submission of hard copy on or before the pre-bid meeting day, the queries / suggestions shall not be considered / entertained.
5. Bidders shall submit a hard copy of the original bids (**which are scanned and duly submitted through EPADS**) to the office of the **Project Director Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa, E1/53 Canal Road, University Town Peshawar** on or before **11:00 AM sharp on 28th of August (Thursday) 2025**, which will be opened on the same day at **11:30 AM**. Any bids presented / submitted / received later than this deadline or delivered to some office other than the above office, shall not be considered and shall be rejected without any further processing.
6. Quotations with cutting, erasing, and over-writing shall not be accepted to the extent of that particular quoted item.

7. Mandatory Bid Security / Earnest Money amounting to a flat rate of Rupees Two Millions for Category-A items, Rupees 1.5 Million for Category B items and Rupees 0.5 Million for Category C and D each from each bidder in the shape of **Call Deposit Receipt (CDR)/ Bank Guarantee** in the name of Project Director Revamping of Non-Teaching DHQs Hospitals across Khyber Pakhtunkhwa is required to be submitted in original along with the Financial Bid within its sealed envelope and shall be from the account of the firm/manufacturer/importer. A separate photocopy of the Bid Security being a financial instrument should also be placed inside the sealed envelope of Technical Proposal. **Ordinary, crossed or open Cheques shall not be acceptable as Bid's security.**
8. Bidders are required to offer the most competitive rate of their items, as negotiations on quoted rates are not allowed under the rules.
9. The undersigned reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

**Project Director,
Revamping of Non-Teaching DHQ Hospital
across Khyber Pakhtunkhwa Peshawar.
Tel No: 091- 9216011**

Important Note for all bidders:

It is the responsibility of all prospective bidders to carefully and comprehensively review the bidding documents in their entirety, including all instructions, specifications, terms, and conditions contained therein. Any reservations, observations, or suggestions with respect to the contents of the bidding documents must be prepared and submitted in writing on the bidder's official letterhead, strictly in accordance with the prescribed format provided herein. Such submissions must reach the Procuring Entity in hard copy form on or before the date fixed for the pre-bid meeting. Submissions received after the stipulated time and date, or submissions not duly furnished on the bidder's original letterhead, shall neither be considered nor entertained during the proceedings of the pre-bid meeting or thereafter

Queries / Suggestions Proforma

| S. No | Name of Equipment / item / Reservation | Details of Queries / Reservation | Justification / Remarks |
|-------|---|----------------------------------|-------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Note: Ensure concise entries for efficient rectification and redressal.

Section II. Bid Data Sheet

Bid Data Sheet

| ITB Re f. | Introduction/Description | Detail |
|---|---|--|
| ITB 1.1 | Name of Procuring Agency of Government of KhyberPakhtunkhwa. | PMIU-Revamping Of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa |
| ITB 1.1 | Loan or credit or Project allocation Number. Loan or credit orProject Allocation amount. | Budget allocated by Health Department Government of Khyber Pakhtunkhwa as per approved PC-1s ADP Codes: PC-1(1)= 471/200049, PC-1(2)= 474/210123, PC-1(3)=473/210121,PC-1(4)= .210287 |
| ITB 1.1 | Name of Project | Purchase of medical equipment, medical furniture, instruments and other hospital supplies for revamping of non-teaching dhq hospitals across Khyber Pakhtunkhwa for the financial year 2025-26 UNDER KPPRA REGIME |
| ITB 1.1 | Name of Contract | Purchase of medical equipment, medical furniture, instruments and other hospital supplies for revamping of non-teaching dhq hospitals across Khyber Pakhtunkhwa for the financial year 2025-26 UNDER KPPRA REGIME |
| ITB 4.1 | Name of Procuring agency. | PMIU-Revamping of Non-Teaching DHQ hospitals Across Khyber Pakhtunkhwa |
| ITB 6.1 | Procuring agency's address, telephone, Telex, and facsimile,numbers. | E1/53 Canal Road, University Town Peshawar Tel No: 091-9216011 |
| ITB 8.1 | Language of the bid. | English |
| Bid Price and Currency | | |
| ITB 11.2 | Price quoted shall be: | Pakistan Rupees (PKR) |
| ITB 11.5 | The price shall be fixed | The quoted prices will be valid till 30 th June 2026. |
| Preparation and Submission of Bids | | |
| ITB 13.3 (d) | Qualification requirements. | Manufacturer and Importer for Category A, B. 1. Manufacturer, Importer for Category C. 2. Manufacturer, Importer or Authorized Dealers for Category-D. |
| ITB 14.3 (b) | Spare parts required for period of years of Operation | Ten Years parts availability in market and will provide certificate for the same. |
| ITB 15.1 | Amount of bid security. | Bid security shall be 02 million for Cat-A items, 1.5 million for category B items & 0.5 Million for Category C&D items. The Bid security shall be shall be from bankaccount of the bidder. The mode of provision of bid security shall be in accordance with the modalities as laid down in the relevant KPPRA Rules. |
| ITB 16.1 | Bid validity period. | 160 days from the date of opening of bids |
| ITB 17.1 | Number of copies. | Digitally submitted through E-PADS along with printed copy of One (Original Bid) number (in case of contradiction among the two the digitally submitted version will prevail. Hard copies are asked only for clarification in case of digitally submitted copy(scanned copy) is not readable and for record purpose) |
| ITB 18.2 (a) | Address for bid submission. | Submitted through E-PADS and Copy or printed version in hard form(in case of contradiction among the two the digitally submitted version will prevail. Hard copies are asked only for clarification in case of digitally submitted copy(scanned copy) to be submitted to: Project Director PMIU-Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa, E1/53 Canal Road, University Town Peshawar |
| ITB 18.2 (b) | IFB title and number. | PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF |

| | | |
|----------------------------------|---|---|
| | | NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26 UNDER KPPRA REGIME |
| ITB 19.1 | Deadline for bid submission. | 11:00 AM Sharp. 28/08/2025 |
| ITB 19.3 | Pre-Bid meeting with the bidders | The bidders are required to submit their inputs / reservations on Bid Solicitation Documents including Technical Specifications, Criteria etc. to Project Director Revamping of Non-Teaching DHQs Hospitals across Khyber Pakhtunkhwa in writing on or before Pre-bid meeting. A Category wise pre-bid meetings with the interested bidders will be held on 1. 18-08-2025 for category-A & B equipment 2. 19-08-2025 for category C&D items in conference room of this this office, starting at 10.00am sharp. |
| ITB 22.1 | Time, Date, and Place for bid opening. | 11:30am sharp 28-08-2025 , Conference room of Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa, E1/53 Canal Road, University Town Peshawar. |
| Bid Evaluation | | |
| ITB 23.1 | Clarification of Bids | The Procuring agency may ask the Bidder in writing, only for clarification regarding the received documents in the bid; however, no change in the prices or substance of the bid shall be sought, offered, permitted or entertained. This communication shall be with the prior approval of chairman Procurement committee. |
| ITB 25.3 | Criteria for bid evaluation | Merit Point Evaluation (Single Stage – Two Envelop) The items ranked highest in merit points (obtained through and based on technicaland financial evaluation) will get unit rate central Contract. |
| ITB 25.4 (a) ITB 25.4 (b) | One option only Delivery schedule. Relevant parameters in accordance with Option selected. | Not Applicable |
| Option I Option II Option III | Adjustment expressed as a Percentage, or adjustment expressed in an amount in the currency of bid evaluation, or adjustment expressed in an amount in the currency of bid evaluation. | Not Applicable |
| ITB 25.4 (c)(ii) | Deviation in payment schedule. Annual interest rate. | Not Applicable |
| ITB 25.4 (d) | Cost of spare parts. | Free under warranty period |
| ITB 25.4 (e) | Spare parts and after sales service facilities in the Procuring agency's Country. | Not Applicable |
| ITB 25.4 (f) | Operating and maintenance costs. | Free under warranty period |
| ITB 25.4 (g) | Performance and productivity of Equipment. | Not Applicable |
| ITB 25.4 (h) | Details on the evaluation method or reference to the Technical Specifications | As in section on Technical Evaluation of bids. |
| ITB 25.4 alternative | Specify the evaluation factors. | Not Applicable |
| ITB 28.1 | Award Criteria | Section 2 (c)(i) |
| Contract Award | | |
| ITB 29.1 | Percentage for quantity increase or decrease. | Number of items can be increased and decreased as per requirement of the PE within permissible limits under the rules. Note for Bidders: The number of items required may increase or decrease as per the needs of PMIU-revamping of non-teaching DHQ hospitals across KP. The quantities given in the <i>Schedule of Requirements (SOR)</i> are only estimates based on the initial |

| | | |
|--|--|--|
| | | <p>assessment of the PMIU. These are not final and may change depending on:</p> <ul style="list-style-type: none"> • Detailed review and rationalization • Budget approval and availability of funds • Actual functional requirements etc. <p>The quantities mentioned in the SOR should not be considered as a guarantee for future supply orders. The actual quantities in the purchase order may be more or less than those mentioned in the SOR.</p> |
|--|--|--|

Section III. Special Conditions of Contract

Special Conditions of Contract

The following Special Conditions of Contract shall supplement & qualify the General Conditions of Contract (GCC).

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

1. Definitions (GCC Clause 1)

GCC 1.1 (c) The Goods are: purchase of biomedical equipment, medical furniture, instruments and other hospital supplies

GCC 1.1 (g) The Procuring Agency is: PMIU-Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa

GCC 1.1 (i) The Supplier is: i) Manufacturer and/or Importer and distributor of manufacturer registered with relevant sales and income tax authorities and have requisite qualification and eligibility for supply of Goods in the specialized Categories of health sector; and

ii) Manufacture of Medical Equipment/ Machinery, Instruments & Medical Devices in Pakistan; and

iii) Importer of Medical Equipment/ Machinery, Instruments & Medical Devices in Pakistan.

iv) Distributer/ General order suppliers for other hospital supplies.

2. Sample Provision

GCC 1.1 (j)—The Project Site is: PMIU-Revamping of Non-Teaching DHQ Hospitals across Khyber Pakhtunkhwa

When required, the Focal Person of the bidder will be informed on phone or through email to provide samples of the items in sufficient / required quantity for examination / analysis to the PMIU Secondary Revamp or any other place notified by the PMIU Secondary Revamp, at bidder's own risk and cost at the time and date communicated. The samples will be returnable and no payment shall be made to bidder / Focal Person on this account. Notified sample evaluation committee for sample shall evaluate the samples provided.

3. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section.VI of the bidding documents Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement. The bidder will provide the details regarding country of origin, Model, Make, manufacturer, along with details of Manufacturing Units and mode of supply, shipment, and any other associated details of the component items and that of the quoted equipment. Bidders are bound to supply the equipment from quoted country of origin only.

4. Performance Security (GCC Clause 7)

GCC 7.1— the amount of performance security, as a percentage of the Contract Price, shall be 10% i.e., of the total value of each individual supply order placed to the successful bidder.

However, the Standard bid security as mentioned in IFB for each category, as elaborated in Section-IV, Statement of Requirement, of this document, from the successful bidders as received at the time of bids submission under GCC Clause 15 shall be retained by the PMIU Secondary Revamp as Bid Security and will be released back to successful bidders after receipt of 10% performance security on each individual supply order placed by the respective procuring entity and will be retained by procuring entity till completion of warranty period.

5. Standards (GCC Clause 4)

As mentioned in GCC clause 4.1.

6. Inspections and Tests

(GCC Clause 8 and in accordance with the clauses of contract with the Procuring Agency)

- i. Technical Evaluation shall be conducted by the scrutiny Committee for technical evaluation to undertake verification of documents submitted by the bidder/s along with the technical bids as well as to conduct the physical inspection of the various samples &/or relevant premises as per rent agreement or ownership etc. (Section-V -Technical Specification of the Part II of these SBDs)
- ii. Machinery & Equipment and other items supplied for sample tests shall be examined and tested by a panel of experts of the notified sub Committee of the Government for submission of technical report to the relevant forum for the needful.
- iii. Sample tests as well as pre-shipment inspections will also be carried out as and when needed before signing of contract agreement with all the successful bidders for Machinery & Equipment, instruments etc.
- iv. Any other appropriate method may be adopted by the Procurement Committee or any other subcommittee notified by the procurement committee to assess and/or assure the quality of goods being purchased. The Procuring Agency reserves the rights to reject the quoted items/equipment at any stage before award of contract in case of any deviation from the standard specifications.

7. Packing (GCC Clause 9)

In accordance with the GCC Clause 9 as well as provided in the relevant clauses of contract agreement of PMIU Secondary Revamp with the Supplier/s.

8. Delivery and Documents (GCC Clause 10)

Applicable Delivery Mode: Delivered Duty Paid (DDP) as per contract agreement of the Successful with the Procuring Agency

9. Warranty (GCC Clause 15)

The Supplier shall provide warranty as per the terms and conditions of the Contract Agreement with PE (Three Years with parts and services after installation for category A&B items another two years with service only(3 years with Parts next two years only services), 1 year with parts and

services for category C&D except Generator which is three years as mentioned in the evaluation criteria)

GCC 15.2—In partial modification of the provisions, the warranty period shall be as per contract terms and conditions. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- a. Make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4, or
- b. Pay liquidated damages to the Procuring agency with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be higher than the adjustment price used in bid evaluation.

GCC 15.4 & 15.5—The period for correction of defects in the free warranty period is three years after installation with free parts and free services, including all incidental charges, and for the next two years for free services only without parts but with all incidental charges related to services provision on the site of installation for category A and B.

GCC 10. 3 —upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail the following documents to the Procuring agency:

- i. Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- ii. Original and two copies of the usual transport document (for example, a negotiable bill of lading, a nonnegotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- iii. Copies of the packing list identifying contents of each package;
- iv. Insurance certificate;
- v. Manufacturers or Supplier's warranty certificate;
- i. Inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report.
- ii. Certificate of origin; and Custom clearing documents.

10. Payment (GCC Clause 16)

(i)GCC Clause 16 as well as under the terms and condition in Contract Agreement with the Procuring Agency, the goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after the goods having been delivered; hence insurance coverage is seller's responsibility, for which they may arrange appropriate coverage. Payment shall be made in Pak. Rupees in accordance with the relevant and applicable government rules and regulations

(ii)Payment shall not be made for partial and incomplete supply of goods.

11. Prices (GCC Clause 17)

- i. The bidder will not quote price of any item/s which is/are higher than the prices quoted by the bidder across the country to any procuring entity of the quoted item/s through public funding.
- ii. In case the bid price is higher than estimated cost, the Procuring agency has the right to reject the bid and scrap the process without any liability.
- iii. In case of single bid after technical evaluation, the procuring agency may carry out the market analysis and negotiate with the bidder before issuing a letter of consent to the successful bidder.

13. Liquidated Damages (GCC Clause 23)

As in relevant clauses of the Contract Agreementsigned by the Supplier with the Procuring Agency. Penalties shall be imposed as per contract agreement and notified blacklisting & debarment guidelines of the department if the firm deviates from Contract Agreement.

14. Disputes Resolution (GCC Clause 28)

The dispute resolution mechanism to be applied will be pursuant to relevant clauses of Contract Agreement signed by Supplier with the Procuring Agency under KPPRA grievance redressal mechanism.

If at all required, the jurisdiction of Court shall be of Peshawar, Khyber Pakhtunkhwa.

15. Bid Tie

In case of tie in the final score of two bidders, and unless otherwise not in contradiction to any of the terms & conditions and specifications of that item, the rate contracting will be offered to the bidder having higher score in its technical bid and the same will be declared as highest fair bid (successful bidder). If technical and financial score are the same, the contract may be awarded to both firms.

16. Governing Language (GCC Clause 29)

The Governing Language shall be: English

17. Applicable Law (GCC Clause 30)

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan, which includes the following legislation:

- i. The KPPRA Act 2012, KPPRA Rules 2014 and prevailing regulations etc.
- ii. The Contract Act 1872.
- iii. The General Financial Rules of the Govt. of Khyber Pakhtunkhwa and all the relevant laws, rules and regulations pertaining to budgeting & financial management of public fund.
- iv. The Bonded Labor System (Abolition) Act of 1992.
- v. The Factories Act 1934.
- vi. Company Act 2017.

18. Notices (GCC Clause 31)

GCC 31.1—Procuring Agency address for notice purposes: Project Director Revamping of Non-Teaching DHQs Hospitals in Khyber Pakhtunkhwa, E1/53 Canal Road, University Town Peshawar.

Tel: 091-9216011

Supplier's address for notice purposes: As mentioned in their bidding document

19. Duties & Taxes (GCC clause 32)

The Unit price quoted by the bidder shall be: inclusive of all applicable duties and taxes. All prices shall include relevant taxes & duties, where applicable. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Purchasing Agency.

20. Legal Documentary Proof

The bidder must possess valid legally enforceable exclusive authorization from the Foreign/Local Manufacturer; they should have a documentary proof to the effect that they are the original Manufacturer of the required goods. Bidders shall establish all legal documentary proofs where required/ ask by the PMIU Secondary Revamp.

21. Ineligibility for Corrupt and Fraudulent Practices

Bidders should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government (Federal, Provincial), a local body or a public sector organization.

22. Letter of Authorization

The Authorized agent shall have to produce Exclusive letter of embassy attested authorization/ Authorizations duly authenticated through an Apostille, issued in accordance with Hague Apostille Convention 1961 / Sole Agency Certificate from Manufacturer and in case of Manufacturer, documentary proof to the effect that they are the original Manufacturer of the required goods shall be provided, or joint venture/ consortium/ alliance of the local Sole agents/manufacturers. In case of imported products, the authorization shall be attested from the embassy of Pakistan in the country of manufacturing or embassy of the manufacturing country in Pakistan/ Authorizations duly authenticated through an Apostille, issued in accordance with Hague Apostille Convention 1961. Bidders shall provide letter of authorization from foreign/local Manufacturers whose shall not be in the process of winding up/liquidations.

23. Technical Staff and Tools

The Bidder should have strong engineering background and necessary tools/ testing equipment, trained staff for the goods required after sales services.

24. Minor Deviation

The Procuring Agency may waive off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation (or changes the substance of the bid), provided such waiver does not prejudice or affect the relative ranking of any Bidder. Any item other than quoted and approved shall not be supplied to procuring entity without intimation to PMIU Secondary Revamp and Supply shall be subject to clearance from Procurement Committee on recommendation of technical experts of PMIU Secondary Revamp notified by chairman T&E.

25. Deviation from critical provision

Deviations from, or objections or reservations to critical provisions shall be deemed to be a material deviation from technical proposals and thus the bid will be declared as non-responsive. Any model supplied other than quoted and approved will be considered as deviation/ forgery and will be rejected straightaway at the cost and risk of the supplier.

26. Prevailing Rules, Regulation and Policies

A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issue of notice for invitation of bids.

27. Alternate Bid

Different models/ prices offered for a single item by the same bidder shall be considered as alternate bid and shall be non-responsive.

28. After Sale Service

Certificate from the bidder that the after sales services / backup services shall be provided in case of change of local agent, the bidder will provide the after sales services themselves or through newly appointed agent for the period mentioned from the date of commissioning.

29. Testing and Calibration

The firm must have all kind of testing and calibration equipment, which is required to maintain the products, which they are dealing. The list of all required testing equipment would be provided along with the bid. The available testing equipment must be calibrated. The successful bidders shall provide complete technical manual and operation manual with the machine.

30. Manufacturer Official Website

The quoted model of imported product shall be available on the current official website of the manufacturer; otherwise, the quoted product shall be considered obsolete/ redundant and will straight away be rejected.

31. Inspection of the Premises

The Procuring Agency has the right to inspect the premises of bidder to inspect the setups ensuring proper after sales services, documents mentioned in technical bids and any other relevant details regarding testing tools, calibration tools, spare parts etc. by relevant technical personnel.

32. Opening of the Financial Proposals

After technical evaluation is completed, the Procuring Agency shall notify the date, time and location for opening of the financial proposals. Bidders' attendance at the opening of financial proposals is optional.

33. Incomplete and Conditional Bids

Incomplete/ Conditional bid shall stand rejected. All items described in the technical proposal must be priced in financial proposal. No conditional bid in term of Technical/Financial bid will be entertained and the bidder will straight away be disqualified.

34. Bidders Influence

Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will result in the rejection of the Bidder's bid and subsequent

black listing, if Procuring agency so desires. Canvassing by any Bidder at any stage of the Tender evaluation is strictly prohibited.

35. Quantity Variation

The Procuring Agency reserves the right at the time of Contract award to increase or decrease the quantity of goods as per permissible limits under the Rules 2014 originally specified in Schedule of Requirements without any change in unit price or other terms and conditions.

36. Original Equipment Manufacturer

The manufacturer should have documentary evidence to the effect that they are the original manufacture of the quoted product/s with indication of manufacturing site and its location.

37. List of Related tools / spare parts

The details regarding tools and spare parts shall be submitted in bid which will be verified during inspection. Marks will be awarded after verification & recommendation by relevant technical personnel during inspection stages.

38. Periodic Preventive Maintenance (PPM)

The successful bidders are bound to provide PPM report quarterly till warranty period duly signed from end user / Medical Superintendent . PPM procedure shall be performed as per guidelines of services manual.

39. Details of Kits/reagent Prices for Laboratory Items

The firms are required to provide the prices of reagent/ kits, till warranty period of equipment as for laboratory items along with the price of machine, which will be evaluated by the committee for approval or disapproval of award of contract.

40. Technical Bid Submission Format

1. All the bidders must submit the quotation in the given proforma below.
2. Attached the supported documents i.e., Brochure / Catalogue and Data sheet clearly highlighted the specifications mention in the technical quotation.

41. Reagents based Laboratory Equipment

Bidders offering Laboratory equipment based on Reagents shall be required to submit the per-test cost along with the quoted price of the machines.

The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment.

The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of Installation.

No escalation in the reagent prices shall be admissible during the said period, in order to safeguard the financial interests of the Procuring Entity and the public exchequer.

Technical Bid Quotation Format

Name of Equipment / Item:

Model:

Manufacturer:

Country of Origin:

Category of equipment / item:

S. No in SBDs:

Quoted Specification of the bidder

Section IV. Schedule of Requirements

Instructions relating to Category A, B, C equipment / items:

- Mandatory Bid Security / Earnest Money amounting to a flat rate of Rupees Two Millions for Category-A items, Rupees 1.5 Million for Category B items and Rupees 0.5 Million for Category C and D each from each bidder in the shape of **Call Deposit Receipt (CDR)/ Bank Guarantee** in the name of Project Director Revamping of Non-Teaching DHQs Hospitals across Khyber Pakhtunkhwa is required to be submitted in original along with the Financial Bid within its sealed envelope and shall be from the account of the firm/manufacturer/importer. A separate photocopy of the Bid Security being a financial instrument should also be placed inside the sealed envelope of Technical Proposal. **Ordinary, crossed or open Cheques shall not be acceptable as Bid's security.**
- The mode of provision of bid security shall be in accordance with the modalities as laid down in the relevant KPPRA Rules and these bid solicitation documents (BSDs). The Bid security shall be from bank account of the bidder. Ordinary cheque and cross cheque in the form of bid security shall result in bid rejection.
- Bids must be computer typed & printed; and the offered bid prices must be written both in words & figures. Bid prices/ quotations with cutting and over-writing shall not be accepted to the extent of that particular quoted item. An authorized person of the bidder/firm shall sign & stamp all pages of the bid having numbers on each page. Digital format of the bids shall be submitted through EPADS as mentioned in IFB however Firms shall submit bids in hard binding, and bids submitted in box file/ loose file will be considered non-responsive.
- The technical proposal shall contain all the details in accordance with standard specification of the items/goods mentioned in the Schedule of Requirements (SOR) and technical specifications which must be supported by catalogue/Brochures. Bids will be submitted on the format mentioned in BSD. .
- Registration of the bidder with Drug Regularity Authority of Pakistan (DRAP) or Pakistan Engineering Council (PEC) in code ME06 is mandatory for category A and B equipment.
- Registration of the bidder with Pakistan Nuclear Regularity Authority (PNRA) is mandatory for all types of X Rays emission equipment.
- In case of imported items of category, A and B, the quoted items shall be registered for use in their country of origin, for which the Importers should provide valid authorization certificate for their quoted products duly attested by the embassy of the country of origin in Pakistan or the embassy of Pakistan in the country of origin of the quoted items or where the commercial office located for the quoted items. Non-provision of valid embassy attested authorization for imported item of category A and B will lead to disqualification of firm.
- All certifications (i.e., Manufacturer authorization, ISOs, CEMDD, CEIVD, MDR, IVDR, USFDA, PMDA, MLHW, DRAP, PEC, etc) and data/ documents shall be valid. Committee may carry out the verifications on or before award of contract and in case of any fraudulent practice; legal action will be taken against the bidder concerned. Any certificate expires before bid opening will not be entertained, neither the renewal in progress will be considered.
- Non-Provision of mandatory documents mention in these BSDs shall lead to disqualification of the firm / quoted

items.

- Standard warranty for the mentioned equipment in SSC Clause 40 will be five years both with services and spare parts after installation. The bidder is bound to provide local training for at least 5 persons including the technical persons of PMIU Secondary Revamp and end user. The bidder shall also make efforts for training of technical staff of PMIU.
- After sale satisfactory performance certificate must be recognized from relevant forums having dispatch number, signature of the officer and date on letter head of procuring entity. The satisfactory performance certificate of non-recognized institution with relevant forums will not be considered.
- The bidding is carried out for Contract Agreement and hence the quantity is not mentioned, and the supply order for each item will depend on the requirement of the procuring entity.
- The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.
- The Procuring Entity has the right to inspect the premises of bidder, to inspect the setups ensuring proper after sales services, verify documents (if needed) mentioned in technical bids and any other relevant details. Premises (office/workshop) of bidder shall be insured through ownership/or Rent agreement.
- The bidder shall provide the shipment trail of the quoted item from the manufacturing site till destination.
- The Unit price quoted by the bidder shall be inclusive of all applicable duties and taxes. All prices shall include relevant taxes & duties, where applicable. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.
- Alternate bid will declare as non-responsive.
- Any reservations on BSDs including special conditions, criteria, specifications etc. (if any) shall be submitted in writing in or before the Pre-bid meeting in the given format in soft form (docx,pdf) and hard form signed by authorized person/representative of the firm.
- **The schedule for supply of goods shall be as under:**
- Supply within 90 days for imported items from the date of issuance of supply order by the Purchasing Agency.
- Supply within 60 days for local items from the date of issuance of supply order by the Purchasing Agency.

**Specification for Hospital Equipment, Furniture, Instruments/Sets for
Revamping of Non-Teaching DHQs Hospitals**

Note for Bidders:

The number of items required may increase or decrease as per the needs of PMIU-revamping of non-teaching DHQ hospitals in KP.

The quantities given in the *Schedule of Requirements (SOR)* are only estimates based on the initial assessment of the PMIU. These are not final and may change depending on:

- **Detailed review and rationalization**
- **Budget approval and availability of funds**
- **Actual functional requirements etc.**

The quantities mentioned in the SOR should not be considered as a guarantee for future supply orders. The actual quantities in the purchase order may be more or less than those mentioned in the SOR.

Schedule of Requirements

| S.No | Name of Equipment | Category | Qty |
|------|---|----------|-----|
| 1. | Multi Parameter Cardiac Monitor (7 Parameter) | A | 130 |
| 2. | Multi-Parameter Patient Monitor (5 Parameter) | A | 131 |
| 3. | X-Ray Machine 500mA | A | 28 |
| 4. | Anesthesia Machine with Ventilator | A | 54 |
| 5. | Color Doppler | A | 47 |
| 6. | Ultrasound Machine | A | 108 |
| 7. | X-Ray Unit 300-mA with accessories (Mobile) | A | 65 |
| 8. | Phaco-Emulsifier | A | 34 |
| 9. | ICU Ventilator (Adult & Peads) | A | 57 |
| 10. | Vital Sign Monitor | A | 104 |
| 11. | NICU Ventilator | A | 20 |
| 12. | Auto refractometer with K-reading | A | 10 |
| 13. | Mobile C-Arm | A | 6 |
| 14. | Slit Lamp with Attached Applanation Tonometer | A | 8 |
| 15. | YAG-Laser | A | 6 |
| 16. | Argon laser | A | 8 |
| 17. | A-B scan | A | 9 |
| 18. | Dental unit with Chair | B | 62 |
| 19. | Defibrillator with ECG Monitor | B | 71 |
| 20. | Defibrillator with trolley | B | 82 |
| 21. | Nebulizer | B | 199 |
| 22. | Emergency OT light Ceiling mounted with batttery backup | B | 53 |
| 23. | Portable OT Light with battery Backup | B | 98 |
| 24. | Infusion pump | B | 87 |

| | | | |
|-----|---|---|-----|
| 25. | ENT examination unit/ENT mirror and light source, | B | 37 |
| 26. | ECG Machine | B | 50 |
| 27. | Hydraulic OT Table | B | 52 |
| 28. | Motorized Beds | B | 235 |
| 29. | Centrifuge Bench Top | B | 69 |
| 30. | Water Bath | B | 35 |
| 31. | Lab Microscope | B | 51 |
| 32. | Blood Bag tube sealer | B | 53 |
| 33. | Rechargeable Autoscope | B | 72 |
| 34. | Audiometer | B | 36 |
| 35. | ABG Machine | B | 36 |
| 36. | PH meter | B | 28 |
| 37. | Ice Lined Refrigerator (ILR) | B | 27 |
| 38. | Semi-Automated Chemistry Analyzer | B | 54 |
| 39. | Fully Automated Chemistry Analyzer | | |
| 40. | POP cutter | B | 61 |
| 41. | Hematology Analyzer 5 Part differential with UPS | B | 50 |
| 42. | Hematology Analyzer 3 Part differential with UPS | | |
| 43. | Haemocyto meter | B | 27 |
| 44. | Urine meter | B | 70 |
| 45. | Electric Oven/Hot Air Oven | B | 38 |
| 46. | Hemoglobin meter | B | 60 |
| 47. | Glucometer and sticks | B | 422 |
| 48. | Fetoscope/sonic aid | B | 38 |
| 49. | Dental Autoclave | B | 40 |
| 50. | Ultraviolet sterilizer | B | 58 |
| 51. | Resuscitation trolley | B | 115 |

| | | | |
|-----|---|---|------|
| 52. | Pulse oximeter | B | 57 |
| 53. | Light duty nebulizer | B | 302 |
| 54. | Suction Machine Heavy Duty | B | 257 |
| 55. | Intensive baby incubator | B | 55 |
| 56. | Oxygen tent paediatric | B | 65 |
| 57. | Phototherapy machine | B | 78 |
| 58. | Infant Warmer | B | 63 |
| 59. | Suction Machines- Neonatal | B | 60 |
| 60. | Gynea Vacume Suction apparatus | B | 120 |
| 61. | Paediatric Resuscitation unit | B | 74 |
| 62. | Oxygen Concentrators | B | 114 |
| 63. | Autoclave | B | 25 |
| 64. | Electro Mechanical operation table | B | 40 |
| 65. | Craniotomy set with pneumatic drill with air | B | 12 |
| 66. | Syringe pump | B | 154 |
| 67. | Operating table accessories, orthopedic extension | B | 30 |
| 68. | Spirometer | B | 71 |
| 69. | Dental X-Ray | B | 28 |
| 70. | CPAP | B | 60 |
| 71. | BIPAP | B | 60 |
| 72. | Delivery table (Labour Room) | B | 54 |
| 73. | Drip stands | C | 2091 |
| 74. | Manual Bed with side table/locker, over bed trolley | C | 503 |
| 75. | Wheel Chair | C | 602 |
| 76. | Stretcher | C | 501 |
| 77. | Instrument Trolley | C | 108 |
| 78. | Dental Operating stool | C | 80 |

| | | | |
|------|---|---|-------|
| 79. | Gynae examination Couch | C | 62 |
| 80. | Examination Couch with foot step | C | 236 |
| 81. | Stands for Dressing | C | 107 |
| 82. | Patient Screen/Folding Screen | C | 252 |
| 83. | Scrub sink | C | 41 |
| 84. | Slop Hopper | C | 24 |
| 85. | Clinical Sink | C | 37 |
| 86. | Office tables | C | 988 |
| 87. | Officer Chairs | C | 2010 |
| 88. | Wooden File Racks | C | 672 |
| 89. | Four-Seater Chairs | C | 996 |
| 90. | Eclampsia bed with railing for baby | C | 150 |
| 91. | Bedsheet | C | 19851 |
| 92. | Pillow with cover | C | 12551 |
| 93. | Towel (large and small) | C | 11505 |
| 94. | Table cloth | C | 7730 |
| 95. | Blanket | C | 9630 |
| 96. | Dusting cloth | C | 9560 |
| 97. | Overcoat | C | 9083 |
| 98. | Staff Uniform | C | 7123 |
| 99. | SS urinal/bed pans | C | 884 |
| 100. | Laryngoscope with 4 blades (Adult & Peds) | C | 458 |
| 101. | Surgical Instrument set | C | 202 |
| 102. | Dressing Set for Ward | C | 211 |
| 103. | Dental Instruments Sets | C | 223 |
| 104. | Root Canal Instruments set | C | 284 |
| 105. | Instrument tray/Kidney tray/Bowls | C | 898 |

| | | | |
|------|---|---|------|
| 106. | Laryngoscope adult Miller & curved | C | 458 |
| 107. | Laryngoscope adult Macintosh | C | 458 |
| 108. | Sterilizing drums | C | 422 |
| 109. | Meigle forceps | C | 269 |
| 110. | General Surgery Instruments Set | C | 45 |
| 109. | Neonatal/Pediatric Laryngoscopes Macintosh | C | 458 |
| 110. | Neonatal/Pediatric Laryngoscopes Miller | C | 458 |
| 111. | Plain Scissors | C | 366 |
| 112. | Delivery set (each contain) | C | 112 |
| 113. | D&C set | C | 110 |
| 114. | Caesarean Section Set | C | 150 |
| 115. | Dressing Drum (large size) | C | 150 |
| 116. | Basin | C | 84 |
| 117. | Basin stands | C | 96 |
| 118. | Tracheotomy set | C | 47 |
| 119. | Minor Surgical Procedure Set | C | 65 |
| 120. | DLC Counter | D | 82 |
| 121. | Blood grouping Viewing Box | D | 88 |
| 122. | Digital Weighing Machine | D | 150 |
| 123. | Weight machine children | D | 263 |
| 124. | Bench | D | 3353 |
| 125. | Weight Machine Height Measuring Scale | D | 62 |
| 126. | Oxygen cylinder with trolley | D | 935 |
| 127. | Oxygen flow meter with humidifier, Oxygen masks all sizes | D | 120 |
| 128. | X-ray illuminator double wall type | D | 46 |
| 129. | Desktop computer with printer, UPS | D | 389 |
| 130. | Ophthalmoscope | D | 101 |

| | | | |
|------|--|---|--------|
| 131. | Auroscopes | D | 16 |
| 132. | Suction Pump (Manual) | D | 57 |
| 133. | Nitrous oxide cylinder 240CFT | D | 104 |
| 134. | Nitrous oxide cylinder 48CFT | D | 104 |
| 135. | Fog machine 60 litre | D | 157 |
| 136. | Binocular loup (2.5 x) | D | 30 |
| 137. | Cleaning gun, water / air | D | 90 |
| 138. | BP Apparatus Portable with stand | D | 1934 |
| 139. | BP apparatus Mercury (Adult & Paeds) | D | 1934 |
| 140. | Ambu Bag (Paediatric) | D | 208 |
| 141. | Ambu Bag (Adult) | D | 208 |
| 142. | Stethoscope | D | 400 |
| 143. | Steel Almirah | D | 1154 |
| 144. | Beds mattress | D | 2835 |
| 145. | Thermometer Clinical | D | 1458 |
| 146. | Torch with batteries | D | 951 |
| 147. | ESR Racks | D | 1090 |
| 148. | ESR Pipettes | D | 3494 |
| 149. | Jester Pipettes Adjustable – various sizes | D | 574 |
| 150. | Sputum collection containers | D | 38153 |
| 151. | Urine collection containers | D | 377006 |
| 152. | Test Tube Holder | D | 100 |
| 153. | Stainless-Steel Test-Tube Racks | D | 219 |
| 154. | Gynae examination kit | D | 1322 |
| 155. | Lead apron | D | 76 |
| 156. | Tendon hammer | D | 162 |
| 157. | Measuring tap | D | 240 |

| | | | |
|------|-----------------------------------|---|-------|
| 158. | Tuning fork 128 cycles/second | D | 104 |
| 159. | Electric water cooler with filter | D | 322 |
| 160. | Refrigerator 12 cft | D | 256 |
| 161. | BP Apparatus with small cuff | D | 350 |
| 162. | Stethoscope paediatrics | D | 184 |
| 163. | Stethoscopes foetal (aluminium) | D | 71 |
| 164. | Female metal catheter | D | 3637 |
| 165. | Soap and soap tray | D | 2156 |
| 166. | Air Ways (different sizes) | D | 1567 |
| 167. | Macintosh sheets | D | 5596 |
| 168. | Urine Collection Bags | D | 1384 |
| 169. | Air-Conditioner (split 1.5 tons) | D | 244 |
| 170. | Dark room accessories | D | 38 |
| 171. | Curtain | D | 11300 |
| 172. | Blinds | D | 6417 |
| 173. | Fire extinguisher | D | 451 |
| 174. | Alcohol dispenser | D | 416 |
| 175. | Antibacterial soap dispenser | D | 672 |
| 176. | Waste bin, standard, 5 L | D | 2660 |
| 177. | Hand towel dispenser | D | 720 |
| 178. | Generator 100KVA | D | 16 |
| 179. | Retinoscope | D | 23 |
| 180. | Refraction box | D | 40 |
| 181. | Vision drum | D | 60 |

Category A Specifications

| S.No | Name of Equipment | Specifications |
|------|---|--|
| 1. | Multi Parameter Cardiac Monitor (7 Parameter) | <p><u>Multi Parameter Patient Monitor</u></p> <p>(5ch ECG, SpO2, NIBP, Dual IBP, TEMP, Resp., ETCO2)</p> <ul style="list-style-type: none"> • Display for easy Viewing 15” or more color TFT/LCD/ LED for easy set-up (with all parameters display) • ECG, SpO2, NIBP, 2-IBP, 2-TEMP, and Respiration • EtCO2 (Side stream type / main stream with basic accessories) • 15 or more Arrhythmias analysis should be detected and alarmed • Multi-lead ECG algorithm • S-T/QT Analysis • Pacemaker detection. • IBP cable and sensor kit • Up to 72 hours of graphic and tabular trend of all parameters, <p><u>PERFORMANCE:</u></p> <p><u>Heart rate:</u> 30 ~ 300 bpm or better on either sides And Ped/Neo:15-350bpm or better</p> <p><u>Respiration</u></p> <ul style="list-style-type: none"> • Respiration rate: 4~150bpm or better on either side. <p><u>SPO2:</u></p> <ul style="list-style-type: none"> • Range: 30 ~ 100% or better on either side • Neonate and adult probe. <p><u>Temperature:</u></p> <ul style="list-style-type: none"> • Range; 10 -45 °C(50 - 113F) or better on either side <p><u>NIBP:</u></p> <ul style="list-style-type: none"> • Range; 30-260 mmHg (± 10% mmHg) <p><u>GENERAL:</u></p> <p><u>Alarm</u></p> <ul style="list-style-type: none"> • Alarm: All parameters on/off selective independently • Power input 220VAC,50Hz • With Battery Backup time: Minimum 90 minutes or better <p><u>ACCESSORIES:</u></p> <ul style="list-style-type: none"> • ECG 5 Lead cable. 01 • Disposable Electrodes Adult, Neonate & Paeds. 20 Each • SPO2 Finger sensor with fixed or detachable extension (each for adult, Paeds and neonate) cable of minimum 3-meter length. 01 Each • NIBP Reusable Neonate, Paeds& Adult Cuff 01 Each |

| | | |
|----|---|--|
| | | <ul style="list-style-type: none"> • NIBP Hose 01 • AC power code 01 • Ground cable 01 • Operation Manual 01 • ETCO2 (Side stream) with basic acc. 01 • IBP Cable 01 • Temperature sensor & cable 01 <p>Local / Imported wall mounted stand</p> <ul style="list-style-type: none"> • With one monitor holding capacity • With basket for accessories • Rust free material with powder coating • Adjustable angles for different views. (up/down and right lift) |
| 2. | Multi-Parameter Patient Monitor (5 Parameter) | <p><u>Multi Parameter Patient Monitor</u></p> <p>(5ch ECG, SpO2, NIBP, TEMP, Resp.)</p> <ul style="list-style-type: none"> • Display for easy Viewing 12” or more color TFT/LCD/ LED for easy set-up (with all parameters display). <p><u>Advance for high-end-user</u></p> |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------------|----|--|---------|--|---------|---|----|------|--|-------------|----|-----------------|--|----|--|----------------|----|--------------------|--|----|--|------------------------------|----|
| | <ul style="list-style-type: none">• ECG, SpO2, NIBP, 2-TEMP, and Respiration• Arrhythmias analysis should be detected and alarmed.• Multi-lead ECG algorithm• S-T/ QT Analysis• Pacemaker detection.• Up to 72 hours of graphic and tabular trend of all parameters <p><u>PERFORMANCE:</u></p> <p><u>Heart rate:</u> 30 ~ 300 bpm or better on either sides And Ped/Neo:15-350bpm or better</p> <p><u>Respiration</u></p> <ul style="list-style-type: none">• Respiration rate: 4~150bpm or better on either side. <p><u>SPO2:</u></p> <ul style="list-style-type: none">• Range: 30 ~ 100% or better on either side• Neonate and adult probe. <p><u>Temperature:</u></p> <ul style="list-style-type: none">• Range; 10 -45 °C(50 - 113F) or better <p><u>NIBP:</u></p> <ul style="list-style-type: none">• Range; 15-260 mmHg (± 10 mmH) <p><u>GENERAL:</u></p> <ul style="list-style-type: none">• <u>Display:</u> 12” or more Color TFT/ LCD/ LED• <u>Alarm</u>• Alarm: All parameters on/off selective independently• Power input 220VAC,50Hz• With Battery Backup time: Minimum 90 minutes or better <p><u>ACCESSORIES:</u></p> <table><tr><td>• ECG 5 Lead cable.</td><td>01</td></tr><tr><td>• Disposable Electrodes Adult, Neonate &Paeds.</td><td>20 Each</td></tr><tr><td>• SPO2 Finger sensor with fixed or detachable extension (each for adult, Paeds and neonate) cable of minimum 3-meter length.</td><td>01 Each</td></tr><tr><td>• NIBP Reusable Neonate, Paeds & Adult Cuff</td><td>01</td></tr><tr><td>Each</td><td></td></tr><tr><td>• NIBP Hose</td><td>01</td></tr><tr><td>• AC power code</td><td></td></tr><tr><td>01</td><td></td></tr><tr><td>• Ground cable</td><td>01</td></tr><tr><td>• Operation Manual</td><td></td></tr><tr><td>01</td><td></td></tr><tr><td>• Temperature sensor & cable</td><td>01</td></tr></table> <p>Local / Imported wall mounted stand</p> <ul style="list-style-type: none">• With one monitor holding capacity• With basket for accessories• Rust free material with powder coating• Adjustable angles for different views. (up/down and right lift) | • ECG 5 Lead cable. | 01 | • Disposable Electrodes Adult, Neonate &Paeds. | 20 Each | • SPO2 Finger sensor with fixed or detachable extension (each for adult, Paeds and neonate) cable of minimum 3-meter length. | 01 Each | • NIBP Reusable Neonate, Paeds & Adult Cuff | 01 | Each | | • NIBP Hose | 01 | • AC power code | | 01 | | • Ground cable | 01 | • Operation Manual | | 01 | | • Temperature sensor & cable | 01 |
| • ECG 5 Lead cable. | 01 | | | | | | | | | | | | | | | | | | | | | | | | |
| • Disposable Electrodes Adult, Neonate &Paeds. | 20 Each | | | | | | | | | | | | | | | | | | | | | | | | |
| • SPO2 Finger sensor with fixed or detachable extension (each for adult, Paeds and neonate) cable of minimum 3-meter length. | 01 Each | | | | | | | | | | | | | | | | | | | | | | | | |
| • NIBP Reusable Neonate, Paeds & Adult Cuff | 01 | | | | | | | | | | | | | | | | | | | | | | | | |
| Each | | | | | | | | | | | | | | | | | | | | | | | | | |
| • NIBP Hose | 01 | | | | | | | | | | | | | | | | | | | | | | | | |
| • AC power code | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Ground cable | 01 | | | | | | | | | | | | | | | | | | | | | | | | |
| • Operation Manual | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Temperature sensor & cable | 01 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|----|------------------------|---|
| 3. | X-Ray Machine 500mA | <p><u>HIGH FREQUENCY X-RAY MACHINE 500 MA (RADIOGRAPHY ONLY) with Inbuilt or external AVR and UPS</u>, in case of external AVR the model /brand /make of the main x ray unit and each quoted component must be mentioned.</p> <ul style="list-style-type: none"> • The AVR must be able to control the voltage between 100V to 260V & to provide constant output voltage of 220V,50Hz. • In case of external AVR and ups system the AVR/UPS system shall be compatible with the x ray unit for minimum of 70 to 100 exposures on different KV and mA. (Compatibility certificate from the supplier must be provided). • AVR and UPS maximum power, brand and model must be mentioned. • With over and under current, voltage and heat protection <p><u>X-RAY unit Comprising of following: -</u></p> <ul style="list-style-type: none"> • High Frequency X-Ray Generator 500mA /125 KV / 32 KW or better. • With inbuilt /external AVR and UPS system minimum 70 to 100 exposures or better. • 4 Way Floating top Bucky table Floor to ceiling or free-standing Tube stand. <p><u>X-ray tube head with:</u></p> <ul style="list-style-type: none"> • Focal spot Size 0.6 x 1.2 mm or better on either side • 300 KHU or more. • Manual Collimator. • Pair of H.T cable • Bucky wall stand. <p><u>X-RAY GENERATOR RAD TYPE, 01 TUBE SYSTEM</u></p> <ul style="list-style-type: none"> • Microprocessor controlled High frequency. • Power: 32 kW or better. • kV Range: 40 - 150kV • mA Range: 10 -500mA • Minimum exposure time: 1 milli second or less • Exposure time range: 1ms – 8.0 sec or more • mAs Range: 02 - 500mAs or more • Anatomical Programming: 100 or more. • Digital display of parameters. • Hand Switch for Radiography. • With control console. • Pedestal/wall mounted control console. • Automatic main line compensation. • Input voltage: 220V, 50Hz. <p><u>ROTATING ANODE, DOUBLE FOCUS X-RAY TUBE (model must be mentioned)</u></p> <ul style="list-style-type: none"> • Small Focus: 0.6 x 0.6 mm or Less. • Large Focus: 1.2 x 1.2 mm or Less. • Tube voltage: 150kV. • Anode heat storage capacity: 300 KHU or more. |
|----|------------------------|---|

| | | |
|--|--|---|
| | | <p><u>FOUR WAY FLOATING TOP BUCKY TABLE (model must be mentioned)</u></p> <ul style="list-style-type: none"> • Four-way floating top. • Oscillating Grid Ratio 8:1 • Cassette Tray to accommodate cassettes up to 14x17inch. • Electromagnetic Brakes. • Grid ratio 8:1 <p><u>COLUMN STAND WITH MANUAL COLLIMATOR (model must be mentioned)</u></p> <ul style="list-style-type: none"> • Column stands with electromagnetic brakes for movement control. • Manual Collimator <p><u>HIGH TENSION CABLES: -</u></p> <ul style="list-style-type: none"> • Pair of High-Tension Cables, each 12 m or more long <p><u>WALL BUCKY STAND (model must be mentioned)</u></p> <ul style="list-style-type: none"> • Vertical Travel, up and down with balancing system & Electromagnetic Brakes • Oscillating Grid Ratio 8:1 • Cassette Tray to accommodate cassettes up to 14x17 inch • Electrification, cooling requirement, and cable requirement etc. shall be responsibility of the bidder. <p><u>Flat panel detector with acquisition software and dry film printer Flat panel detector (model and make must be mentioned, Bidders are required to submit any two out of three prescribed mandatory certificates for DR Plate; However, certificates pertaining to the X Ray machine shall not be considered for this item)</u></p> <ul style="list-style-type: none"> • The Flat panel Detector should be wireless. • Pixel size of 150 Microns or better. • The size (active area) of the Flat panel Detector should be at least 14 x 17 inch. • Image's pre-viewing should be available in about less than 3secs after exposure and the cycle time should be less than 10 seconds. • KV rang 40 ~ 150kVp • The flat panel detector should be able to Rotate/Tilt for various applications. • The flat panel Detector should be fixed in the vertical Bucky Stand Should be in position to handle Vertical Chest X Ray, Horizontal Abdominal X Rays applications. • AED Mode should be present. • Easy positioning at the time of out of bucky exposures. • The detector should be able to work at normal room temperature and humidity. • The detector system should not require frequent calibrations on daily start-up • Offered detector should have load bearing capacity of 150 kgs or more. • Backup time Battery • Life of the battery 120 images @ 90 s cycle • Recharging time less than 3 hours |
|--|--|---|

| | | |
|----|------------------------------------|---|
| | | <ul style="list-style-type: none"> One extra Lithium Battery with the detector should be provide. <p>IMAGE ACQUISITION IMAGE PROCESSING</p> <ul style="list-style-type: none"> PC based computerized IMAGE ACQUISITION IMAGE PROCESSING with window-based software. 19-inch medical grade LCD / LED monitor with high resolution 1K x1K or better Brightness: 300 Cd/m2 or better Contrast Ratio: 2000:1 or better With Brightness stabilization The software has capability to support 2 detectors or more Image saving in CD/DVD and DICOM format should be possible. Multi core processor (core i7, 3.4Hz) bit processing 64 Bits, Cache 8MB, special graphic card for medical grade monitor installed in CPU. RAM not less than 4GB and should have image storage disk of at least 1TB internally The system should have ready DICOM interface and networking capability with PACS. Post processing function must be available. Measurement Tools, Window Level, Rotate, Repeat / Reject, Magnify, Zoom, Images elaboration with examination specific algorithms Filming options should be available. Power Supply – 220V, 50Hz. Dry film printer with at least 2 online film trays, for printing the digital images (Model and brand must be mentioned) Compatible UPS (model, make must be mentioned). <p>Note: Price for DR Plate should be quoted Separately. <u>Separate Cost: (Optional where required but shall be quoted):</u></p> <ul style="list-style-type: none"> Per square feet cost lead lining cost shall be quoted, |
| 4. | Anesthesia Machine with Ventilator | <p><u>Anesthesia unit with 2 Vaporizers and inbuilt ventilator</u></p> <ul style="list-style-type: none"> Anesthesia machine to administrate aesthetic agents in precise control and flow manner for Adult, Pediatric and Neonates. The machine will equip to monitor the vital sign parameters and anesthetic agents during operation. Mobile 3-gases O2, AIR & N2O. Electronically/digitally control/Mechanical/Virtually, mixing and monitoring of anesthetic gases (O2, AIR & N2O) both by digits as well as virtual tubes/Electronics Flow Meters. Non-interchangeable pipeline inlets. Pipeline & cylinder gauges for O2, Air & N2O. Central gas/ electronically driven unit. Pin index cylinder yokes for Oxygen, Air & N2O (One each), as backup Pin index type Cylinders will be provided (2xO2 and 2xN2O: BS standard). Gas outlet and O2 flush control. Isoflurane and Sevoflurane vaporizer (models of the vaporizers must be mentioned). Should support future upgrade for AG, Paramagnetic oxygen or galvanic oxygen monitoring and EtCO2. 1 auxiliary O2 & Air outlet. |

| | | |
|--|--|--|
| | | <ul style="list-style-type: none"> • Two Lockable castors. • Stainless steel/fiber work surface. • Absorber bag support arm. • Three gas electronic digital flow meters/ On Ventilator Screen for precise control and monitoring of gases. • Drawer unit 4-6" high. • Integrated heated breathing system • Power outlet with 3/4 socket outlets to connect the auxiliary equipment. • CO2 absorber 700 – 1,500 gm or better with changeable during the surgery. • Complete with valve for bag/ventilator, Manometer/ On Ventilator Screen, 0.5, 1.0, 1.5, 2 & 3 L breathing bags, • Breathing tube (adult and paed).s). • Mounts and Y-piece. • Additional breathing hose and connector (adult and paed).s). • Scavenging system passive / active type. • Suction system. <p>ANESTHESIA VENTILATOR:</p> <ul style="list-style-type: none"> • Anesthesia Ventilator with minimum 15" or more Color LCD/TFT Screen. • The ventilator shall be capable of ventilating adult and paediatric patients. • Ventilation Mode: VCV, PCV, SIMV-VC, SIMV-PC, PSV • Breathing Mode Selection (Standby / Volume / Spontaneous and Pressure) • Built in Paramagnetic Oxygen Sensor • Inverse I:E ratio Capability • I:E ratio from 2:1 to 1: 8 or better on either side • Gas Specific Input Connectors (Air or Oxygen ISO or ANSI Standards) • Tidal Volume from (20ml to 1400 ml) • Rate or Frequency 4 to 60 bpm • PEEP (2 to 30 cm H2O) or Better • Inspiratory Pressure Limit • Power Supply 220 VAC, 50 Hz • Low / High FiO2 Alarm • Incorrect Rate or Ratio alarm • Mains Failure alarm • Low battery alarm advance indication • Hypoxic device guard. • Pressure and Volume (Spirometry) Loops / curves. |
|--|--|--|

| | | |
|--|--|--|
| | | <ul style="list-style-type: none"> • High / Low pressure alarm. • The ventilator shall be supplied with complete drive hose and power cable. <p>MONITORING:</p> <ul style="list-style-type: none"> • Vital sign monitor • Size of minimum 15” touch screen or more for display of vital sign parameters of neonates, infants and adults. • Measurement of ECG • NIBP with re-usable single hose cuff for neonates, child and small adults • SpO2 with re-usable cable and sensors for neonates, peds & adult • Temperature with nasal probe • Respiration • Dual Channel IBP • EtCO2 main / side stream (Complete with all sensors probes, reusable). • Provision of communication port for sharing and transfer of data. • 220V, 50 Hz operated. • Battery backup of at least 2 Hours or better • Note: Monitors must be supplied by the same manufacturer and must be compatible with the machine and ventilator. • The warranty of equipment will be including batteries, Paramagnetic oxygen sensor, all kinds of filters and flow sensor. <p>ACCESSORIES:</p> <ol style="list-style-type: none"> 1. 1x NIBP Cuff each for Adult, Peds & Neonates, 2. 1xSpO2 probe for Adult, Peds & Neonates 3. Temperature with Nasal probe 4. Skin Probe 5. Standard size ECG Leads with Re-Useable electrodes 6. Dual Channel IBP leads 7. UPS: On line sine waves UPS compatible with the whole system (IMPORTED) |
|--|--|--|

| | | |
|----|-------------------------------|---|
| 5. | Ultrasound (Color Doppler) | <ul style="list-style-type: none"> • Display- High resolution -Flat panel TFT LCD / LED 21" or more color display • Display Resolution - 1920x 1080 pixels • Control Panel- Soft touch key having backlight easy to operate, user should be able to customize according to need • Touch Command Screen Control at least 10.0" or more LCD / TFT or more. • Range of probe type - Convex Probe (2 - 5 MHz or more) and Linear probe (3-9MHz or more) <p>NOTE:</p> <ul style="list-style-type: none"> • All Probes must be supplied by same Manufacturer. • Optional Number of Probe Port connector: 4 ports or more • Connector of the probe should all same, single button probe switching option. <ul style="list-style-type: none"> • B-MODE Specification: <ul style="list-style-type: none"> ○ Sector Scan Angle Variable in Four Steps. ○ Viewing Depth: 30cm or more (Both in B & W and Color). ○ Frame Rate: 1000 f/sec or more. ○ Built-in cine loop with ability to vary reverse and slow motion of display; Internal • Memory 2000 /500MB or more Color Images. <ul style="list-style-type: none"> ○ Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images. <p>2. M-MODE SPECIFICATION:</p> <p>a) Magnification: x2 or more.</p> <p>b) Sweep Speed: Slow, Medium and Fast.</p> <p>c) Color Display of M-Mode.</p> <p>3. D-MODE SPECIFICATION:</p> <p>a) Pulse-Wave Doppler Measureable Velocity range.</p> <p>b) HPRF Doppler.</p> <p>5. COLOR DOPPLER MODE SPECIFICATIONS:</p> <p>a) PW Doppler must be Continuous</p> |
|----|-------------------------------|---|

| | | |
|--|--|--|
| | | <p>Steerable in the Color Blood Flow Image Mode in Real Time.</p> <p>b) 2D Image with Color and PW Doppler.</p> <p>c) Windows based System for easy usage with Programmable Control Panel Keys.</p> <p>d) Tissue Harmonic Imaging with 4THI or more Frequency Power Doppler.</p> <p>e) Triplex Mode for Simultaneous Display of Color B/M and D-Mode Displays.</p> <p>f) 250db or more system dynamic range or more.</p> <p>6. MEASUREMENT PACKAGE:</p> <p>To provide Comprehensive Software Package for Measurement of Distance, Circumference, Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness</p> <p>Measurement Software to be Provided as a Standard.</p> <p>7. SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:</p> <p>a) DVD /CD Drive for Image Storage to be Built-in/External to the System.</p> <p>b) 500GB or more hard disk drive to be Built-in to the System.</p> <p>c) Built-in DICOM Compatibility. (3.0 with all components)</p> |
|--|--|--|

| | | |
|--|--|---|
| | | <p>d) Full DICOM (Upgradable). 8. UPGRADEABILITY:</p> <p>- System Software must be Upgradable.</p> <p>10. Pure Wave / Pulse Inversion / Differential or Equivalent</p> <p>Tissue Harmonic Imaging to Enhance Effective</p> <p>Wide Band Frequency Range to provide</p> <p>Simultaneously Spatial Resolution, Contrast</p> <p>Resolution</p> <p>and increased Penetration using Two</p> <p>Transmission Pulses at Different Frequencies</p> <p>Simultaneously and Reception at Harmonic as well as Differential Component.</p> <p>11. Auto Image Optimization / Quick Scan</p> <p>Imaging for Automatic STC / GAIN and Doppler</p> <p>Spectrum Adjustment with Optimal Image Quality</p> <p>by using One Touch Operation.</p> <p>12. B-Flow / Dynamic Flow Imaging / E-Flow /</p> <p>Clarify or Equivalent</p> <p>13. Trapezoid Imaging / Virtual Convex Imaging</p> <p>with Linear Probe.</p> <p>Compound / Aplipure Imaging for THI/both</p> <p>Frequency Compounding and Spatial or Equivalent</p> <p>Compounding in B/W and Color Mode.</p> <p>14. Panoramic / SIESCAPE / Logic view Imaging or Equivalent</p> <p>with Measurements.</p> <p>15. TISSUE CONTRAST ENHANCEMENT</p> <p>SOFTWARE/SPECKLE REDUCTION/X-VIEW</p> <p>PLUS/CPI or Equivalent</p> |
|--|--|---|

| | | |
|--|--|---|
| | | <p>16. N-Sight/ Adaptive Suppression/ Precision Imaging /Cross beam/ XFlow or equivalent to Enhance B-Mode Imaging, Xress/ Care/ DTCE or equivalent Detailed in Layers and Boundaries and Sharpened Outlines of the Lesions and reduce Cluttering.</p> <p>17. Micro CPA/ Superb Micro Imaging/vascular enhancement/B flow HD Color/Micro-V spectral or Equivalent to Clearly Show Blood Flow in tiny Vessels,</p> <p>18. Shear wave Elastography Quantification for body Organs especially Liver with Convex to visualize Tissue Stiffness by Generating Images through Shear Wave Propagation.</p> <p>19. Live Strain Rate Elastography with Quantification for Body Organs Specially Breast to Visualize Lesions.</p> <p>Voltage : 220V – 240V, 50 – 60 Hz</p> <p>ACCESSORIES: 1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)</p> <p>2. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)</p> <p>3. 50 High Density / High Glossy thermal paper Rolls</p> |
|--|--|---|

| | | |
|----|--------------------|---|
| | | <p>4. Gel: 30 liters</p> <p>5. Revolving chairs for the ultrasound operator (2 per machine)</p> <p>6. Patient Couch</p> <p>10. User/Technical/Maintenance manuals to be</p> <ul style="list-style-type: none"> supplied in hard and soft copy |
| 6. | Ultrasound Machine | <p>Heavy duty U/S machine (inbuilt trolley mounted) with</p> <ul style="list-style-type: none"> Display Modes: B, Dual B, Quad B, M, B/M, CFM, PWD Duplex, Triplex, FAM, Power Doppler, Trapezoid scan, Real-time biplane, Slow motion display, Fine-flow color mode Gray Scale: 256 levels or more Image Depth: Up to 40 cm or more (Mandatory) Dynamic Range: 272 dB or better Frame Rate: Up to 881 fps or more Image Control: Gain, IP, Image shift, Zoom Compounding Imaging Speckle Noise Reduction (Minimum 2 Software) Automatic Optimization (Gain, TGC, velocity range, baseline shift) Split Screen Tissue Harmonic Imaging (THI) Advanced Directional Color Flow Mode Auto adjust PW sample volume & angle Presets: Up to 59 separate programs for specific clinical applications/users Cine Memory: Not less than 12,410 frames Zoom: HD Zoom Directional Power Doppler Oblique Doppler scan available Automatic Doppler tracing and correction Doppler multi-frequency Transcranial Doppler measurement Renal artery Doppler measurement Independent PRF Steering: $\pm 30^\circ$ (adjustable in 5° intervals) Image Storage: HDD \geq 500 GB, CD/DVD, USB Measurements: Distance, Area, Volume, Angle (minimum) Calculation Packages: OB, Vascular, Abdominal, Gynecological, Urology, Auto Intima Media Thickness Full DICOM included Active Probe Ports: Minimum 3 Probe Frequency Range: 1 – 18 MHz Convex Probe 1–5 MHz |

| | | |
|----|--|--|
| | | <ul style="list-style-type: none"> • Linear Probe 5–13 MHz • Thermal Printer (Branded, model and make must be mentioned) • 50 Roles Thermal Paper. • With built in/external UPS system for minimum 1 hour backup. • Ultrasound Gel 20Ltr • With built in mounted trolley. <p>Note: TVS probe 2–10 MHz price should quoted separately (optional)</p> |
| 7. | X-Ray Unit 300-mA with Accessories (Mobile) | <p>Mobile X-ray machine battery operated, and motor driven by the battery system general purpose mobile x-ray unit for radiography.</p> <p><u>X-Ray Generator</u></p> <ul style="list-style-type: none"> • KV Range: 40kv to 125 kV in 01 kV Steps. • mA Range: Max. 300mA or better • mAs range: 1 mAs to 300mAs or better • 30KW or better • Preset anatomical programs (APR) available for different parts of body. • Number of exposures which can be done on fully charged battery should be greater than 80. <p><u>X-Ray Tube Unit</u></p> <ul style="list-style-type: none"> • Rotating anode: Single / Double focus • Focus Size: 0.8 & 1.3 mm or better on either side. • Anode heat storage capacity : 100 KHU or better <p>X-Ray Beam Limiting Device Projector Lamp: Halogen/LED</p> <ul style="list-style-type: none"> • Filtration: 1.2mm Aluminum or better. • Colum adjustment facility available • Collimator rotation available • Independent battery system for exposure and movement • Transportation mode • Examination mode • Big wheel for easy movement • Brakes for control of movement • Input voltage 100-220VAC, 50Hz • Cassette Box: For Storage of at least 3 Cassettes • 2 No's lead Apron thickness 0.5mm |
| 8. | Phaco- Emulsifier | <ul style="list-style-type: none"> • Gravity fed fluid delivery; eye pressure determined by height of irrigation source. • Solenoid valving element. <p>Suction:</p> <ul style="list-style-type: none"> • Peristaltic aspiration pump with reusable tubing sets. • 5 to 500 mg Hg vacuum range or better • Flow rate from 2 to 50 cc/min or more. • 25 levels of rise time in U/S mode from 0.5 to 12 seconds or better. |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|---|----------------|----|---|----|---------------------|----|------------------|----|---------------------------|----|--------------|----|-------------------------|----|-------------------------|----|-------------------|----|--------------------|----|--------------------------|----|-----------------------------|----|-----------------------------|----|---|----|
| | | <p>Phacoemulsification:</p> <ul style="list-style-type: none"> • Piezoelectric crystal / Normal standardized handpiece with approx. 40 kHz or better • Panel or linear control of U / S power with system footswitch. • Single burst, multiple burst & continuous burst modes. • Phaco hand piece light weight • Capability of wide range of phaco tips & sleeves. <p>Vitrectomy:</p> <ul style="list-style-type: none"> • Adjustable cutting speed from 60 to 700 cuts per minute or more. • Single mode cut available. • Vitrectomy guillotine cutter. <p>Diathermy:</p> <ul style="list-style-type: none"> • Adjustable bipolar power from 5 to 100%. • Linear control with system footswitch. <p>Consisting of:</p> <table> <tr> <td>Phaco console.</td> <td>01</td> </tr> <tr> <td>20Ga Phaco tip, 30o / straight / kelvin</td> <td>04</td> </tr> <tr> <td>Silicone sleeve 20G</td> <td>05</td> </tr> <tr> <td>Phaco tip wrench</td> <td>02</td> </tr> <tr> <td>Re-useable I/A tubing set</td> <td>02</td> </tr> <tr> <td>Test chamber</td> <td>05</td> </tr> <tr> <td>Disposable drainage bag</td> <td>10</td> </tr> <tr> <td>Diathermy bipolar cable</td> <td>01</td> </tr> <tr> <td>Diathermy forceps</td> <td>01</td> </tr> <tr> <td>Sterilization tray</td> <td>02</td> </tr> <tr> <td>Double linear footswitch</td> <td>01</td> </tr> <tr> <td>Re-useable phaco hand piece</td> <td>01</td> </tr> <tr> <td>Anterior Vitrectomy Cutters</td> <td>10</td> </tr> <tr> <td>Pneumatically powered guillotine cutter re-usable</td> <td>01</td> </tr> </table> | Phaco console. | 01 | 20Ga Phaco tip, 30o / straight / kelvin | 04 | Silicone sleeve 20G | 05 | Phaco tip wrench | 02 | Re-useable I/A tubing set | 02 | Test chamber | 05 | Disposable drainage bag | 10 | Diathermy bipolar cable | 01 | Diathermy forceps | 01 | Sterilization tray | 02 | Double linear footswitch | 01 | Re-useable phaco hand piece | 01 | Anterior Vitrectomy Cutters | 10 | Pneumatically powered guillotine cutter re-usable | 01 |
| Phaco console. | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20Ga Phaco tip, 30o / straight / kelvin | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silicone sleeve 20G | 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phaco tip wrench | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Re-useable I/A tubing set | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test chamber | 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disposable drainage bag | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diathermy bipolar cable | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diathermy forceps | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterilization tray | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Double linear footswitch | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Re-useable phaco hand piece | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anterior Vitrectomy Cutters | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pneumatically powered guillotine cutter re-usable | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | ICU Ventilator (Adult & Peads) | <p>Ventilator, electrically operated microprocessor controlled, suitable for adult / Paeds / Neonate use.</p> <ul style="list-style-type: none"> • Tidal Volume: 20 ~ 2000 ml or better on either side. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|-----|--------------------|---|
| | | <ul style="list-style-type: none"> • Frequency: 1 ~ 80b/min or better on either side. • I:E ratio: 1:7- 4:1 or better • Inspiratory Time: 0.2-8s or better • Inspiratory Pressure: 3-60 cmH2O or better • Support Pressure: 0-60 cmH2O or better • Pressure Trigger: -20- -0.5cmH2O, OFF • Flow Trigger: 0.5-15 L/min OFF • PEEP: 0-30 cmH2O • FiO2: 21-100% • Patient Circuit: Autoclavable / disinfectible (adult) Supplied with pole clamp. • O2 and Air input hoses • With Humidifier. <p>Modes:</p> <p>Invasive and non-invasive ventilation which could be used inside ICU or outside ICU.</p> <ul style="list-style-type: none"> • Volume control: CMV/AC , SIMV, PRVC/APCV • Pressure Control: CMV/AC, SIMV, CPAP, PS • Mode suitable for weaning <p>Monitoring:</p> <ul style="list-style-type: none"> • Standard parameters • 45 minutes or more Built-in Battery Backup • TFT / LCD / LED Monitor Size: 12” or more • Display Loops including Pressure-Volume, Flow-Volume, Flow Pressure, show up to 2 loops simultaneously. • Should operate on O2, Air/ or both • Alarms for Gas failure, RR, Pressure, Apnea, Volume, Low Battery • With built-in Turbine (45 Minutes or more backup UPS) <p>With Trolley.</p> |
| 10. | Vital Sign Monitor | <p>Dedicated Vital Sign Monitor with mobile floor mounted stand and holder for accessories</p> <p>(SpO2, NIBP, TEMP, Resp.)</p> <ul style="list-style-type: none"> • Display for easy Viewing 5.6” or more color TFT/LCD/ LED for easy set-up (with all parameters display). <p>PERFORMANCE:</p> <p>Respiration</p> <ul style="list-style-type: none"> • Respiration rate: 2~150bpm or better on either side. <p>SPO2:</p> <ul style="list-style-type: none"> • Range: 30 ~ 100% or better on either side |

| | | |
|-----|-----------------|--|
| | | <ul style="list-style-type: none"> • Neonate and adult probe. Temperature: <ul style="list-style-type: none"> • Range; 0 -42C (32 - 109F) or better NIBP: <ul style="list-style-type: none"> • Range; 15-260 mmHg (± 15mmHg) GENERAL: <ul style="list-style-type: none"> • Alarm: All parameters on/off selective independently • Power input 220VAC,50Hz • With Battery Backup time: Minimum 04 hours or better ACCESSORIES: <ul style="list-style-type: none"> • SPO2 Finger sensor with fixed or detachable extension (each for adult, Peads and neonate) cable of minimum 3-meter length. 01 Each • NIBP Reusable Neonate, Paeds & Adult Cuff 01 Each • Temperature sensor & cable 01 • AC power code 01 |
| 11. | NICU Ventilator | <ul style="list-style-type: none"> • Microprocessor controlled powerful ventilation system mounted on trolley. • Microprocessor controlled ventilation system with HFO ventilation (Optional, mandatory to be quoted). • Color touch screen 15" Minimum LCD or TFT or better. • Patient Range: Pre Mature Infant and Peads. • Body weight range minimum 0.6kg for all modes of ventilation. Modes of Ventilation: <ul style="list-style-type: none"> • CMV. • Pressure Control. • Pressure support. • CPAP. • SIMV. • Volume Targeting. • APRV or equivalent. • High Frequency Ventilation. • NIV in CPAP & CMV. • High flow O2-Therpay. CONTROL <ul style="list-style-type: none"> • Set & measured parameters simultaneously Measurement Range and Specification. <ul style="list-style-type: none"> • High Frequency Ventilation:5-20 Hz or better • Inspiratory Tidal Volume: 2-150 ml or more • Respiratory Frequency:5-150bpm or better • Inspiratory Pressure:5-60cm H2O or better • Peep: off, 02 - 20cm H2O or better • I:E Ratio 3:1 or better • FiO2 or O2 Delivery:21-100% Monitoring Parameters for set and measured value simultaneously with Digital Display |

| | | |
|--|--|---|
| | | <ul style="list-style-type: none"> • Total breath rate • Oxygen concentration FIO₂ (Through Paramagnetic or Non consumable sensor technology). • Expired Minute Volume • Expired Tidal Volume • I : E Ratio • Peak Pressure • Mean Pressure • Lung Mechanics with pressure and volume loops <p>OTHERS CONTROL AND FUNCTIONS</p> <ul style="list-style-type: none"> • Back up Ventilation. • Microprocessor gas delivery system • Breathing circuit compliance compensation. • Expiratory hold or Inspiratory Hold • Pressure or Volume or Flow Trigger Sensitivity. • Triggered breaths should be indicating in pressure or volume curve. • Should able to operate on single air or gas source at 21% Oxygen. • Trend Data. • Built-In nebulizer or in case of integrated should be supplied by same manufacturer. <p>ALARMS</p> <ul style="list-style-type: none"> • Apnea • AC Power Failure • High and Low Expired Minute Volume • High and Low Peak Air Way Pressure • High and Low breath rate • FiO₂ Variation • Low and High base line pressure • Gas Supply Source Failure • Low battery <p>Capnography:</p> <ul style="list-style-type: none"> • Built-in etCO₂ monitoring or in case of integrated should be supplied by same manufacturer. • Waveform should be display on the ventilator screen. • Supplied with cuvettes for Neo & paed. <p>HUMIDIFIER:</p> <ul style="list-style-type: none"> • Automatic compensation (Servo) controlled heated humidifier with temperature monitoring at air way and Humidification camber with alarm for low/ high limits with water tarp in the patient circuit. <p>PNEUMATICS</p> <ul style="list-style-type: none"> • The unit will be driven on the central compressed air and oxygen. • Should have provision of connecting external compressor. <p>AIR COMPRESSOR:</p> <ul style="list-style-type: none"> • Air compressor should be from same manufacturer for better compatibility. • In case of central air supply pressure failure, air compressor should be automatically switch on & off. • Air compressor should be mounted on same ventilator trolley. <p>Supply Requirements:</p> <ul style="list-style-type: none"> • AC 220 V, 50 or 60 Hz. |
|--|--|---|

| | | |
|-----|-----------------------------------|---|
| | | <ul style="list-style-type: none"> • Built-in or integrated battery backup for main ventilator. ACCESSORIES Flow sensor Peads (Qty-02) Expiratory valve (Qty-02) Hinge arm (Qty-01) Test lung (Qty-01) Reusable breathing circuit peads. (Qty. 01) Reusable breathing circuit Neo/Infant. (Qty. 01) NIV Mask (S, XS, XXS) (Qty. 01) Note: HFU option Price Should be quoted as optional and is mandatory to be Quoted for NICU Ventilator. |
| 12. | Auto refractometer with K-reading | <u>Refraction measurement,</u> <ul style="list-style-type: none"> • Sphere -20 TO 22D or better (VD 10mm) (0.01/0.12/0.25D step). • Cylinder 0 to $\pm 10D$ or better (0.01 / 0.12 / 0.25D step). • Axis Angle 0 to 180° or better (1° step). <u>Measurement of Corneal Radius:</u> <ul style="list-style-type: none"> • Curvature radius 5.0-10.0 mm or better (0.01mm step). • Cylindrical power 0-$\pm 10D$ or better. • Axis Angle 0-180 degree (1-degree step or better). • Pupil diameter measurement range: \varnothing 2.0mm – \varnothing 8.5mm or better. • Vertex distance: 0, 10, 12, 13.5, 15mm or better. • PD Measurement range 40-85 mm (1mm step) • In built Thermal Printer • LCD display: color 5.7 Inch or better. • Power saves: OFF, 3, 5, 10 min • (Selectable) Standard Accessories: Test eye; 1No. • Printer paper: 3 Rolls: Chin rest Paper: 1 pack (sheets as per standard). Chin rest pin: 2 No. • Dust Cover: 1 No. • Operation manual. • Local Motorized stand |
| 13. | Mobile C-Arm Machine | Microprocessor controlled High frequency Mobile C- arm machine should provide the excellent image quality at low radiation with the following specification <ul style="list-style-type: none"> • Output Power: 02 KW or better • Radiography & Fluoroscopy KV: 40-110 KV or better with 0.3-20 mAs or better on either side • Technique selector switch for Fluoro & Rad. Mode Selection. • Anatomical Programmed should be provided in radiography mode. • System should have ABC or ADC or ADRC control • System should have Auto-Mode and Manual mode for user in fluoroscopy. • 21cm x 21cm Dynamic flat panel detector or better • Pixel Pitch: 200μm or less • Rotating Anode Double Focus x-ray tube 75 KHU or better • Anode cooling capacity should 35 KHU/Minutes or higher • Focal spot as per OEM • Automatized collimator by focusing on the area of interest to Prevention of unnecessary X-Ray exposure |

| | | |
|-----|---|--|
| | | <ul style="list-style-type: none"> • 2 No's medical grade TFT monitors on trolley, Size: 19 inch or better. • Waterproof Footswitch should be available for foot control • Lockable anti-static casters. <p>Software</p> <p>Software must be DICOM supported. Should have the facility to store 20,000 or better images and having last image hold, zoom, invert image, contrast adjustment, to export patient images to USB or CD/DVD and through PACS system, have the facility to show patient ID, name, gender, age, date and hospital name etc.</p> <p>C-Arm movement</p> <ul style="list-style-type: none"> • Orbital rotation should have 110° or better • Rotation 180° • Switches for up/down movement of C on both side of Panel • Horizontal travel 200mm or more • Motorized Vertical Up/Down 400 mm or more. • Wigwag + 10° or better <p>Power Requirement:</p> <ul style="list-style-type: none"> • 220VAC , 50Hz <p>Accessories</p> <ul style="list-style-type: none"> • 3 Apron lead thickness 0.5mm • 3 Thyroid shield lead thickness 0.5mm • 3 Goggles and Caps • Stand/Wall Mount for Lead Aprons <p>UPS</p> <p>Compatible online UPS for at least 15 minutes or more backup</p> |
| 14. | Slit Lamp with Attached Applanation Tonometer | <ul style="list-style-type: none"> • Binocular Microscope. • With Applanation Tonometer. • Magnification Changer: 2 steps. • Total magnification range: x10 to x16 or better. • Papillary Adjustment: 50-80mm or better. • Diopter Adjustment: \pm/-5D or better • Light source: LED • Lenses 78D, 90D <p><u>Slit illumination:</u></p> <ul style="list-style-type: none"> • Slit Width: 0-10 mm or more. • Aperture Diameter: 0, 3, 6, 5, 10 mm/Continuous. • Slit Length: 0.5-10mm. • Slit Rotation: \pm90° <p><u>Base movement as per manufacture design:</u></p> <ul style="list-style-type: none"> • Vertical Movement: • Longitudinal Movement • Lateral Movement • Fine Base Movement. |

| | | |
|-----|-------------|---|
| | | <p><u>Chin rest:</u></p> <ul style="list-style-type: none"> • Vertical Movement • Local motorized table. |
| 15. | YAG-Laser | <ul style="list-style-type: none"> • Laser Wave Length: 1064nm • Mode: Super Gaussian/Q switch • Optical Break Down: 2.5mJ or better in air • Pulse Duration: <4.5ns • Maximum Laser Energy: Single Pulse, 10mJ Double Pulse, 23mJ Triple Pulse, 32mJ or more • Energy Levels: 20 Steps or more • Frequency: Max 2Hz • Focus Diameter: 10um • Angle of exit aperture: 15° to 18° • Aiming Beam: 630nm – 670nm • Focus Shift Variable: +150um, 0, -150 um. • Input Voltage: 220V, 50Hz • Magnification: 5,8,12,20,32x through Galilean changer with 10x eyepiece and tube= 130mm or more • Tube: Parallel Tube f=125 or more with 50-78mm PD adjustment with convergent tube • Eye Pieces: 10X high eyepoint eyepieces with +/- 8D • Slit Adjustment: Width 0-14mm or more. • Isolation Transformer: Machine should have isolation transformer for safe handling. • Stand: Motorized, Local made <p>Along with following lenses:</p> <ol style="list-style-type: none"> 1. Capsulectomy Lens (Compatible with Machine) 2. Iridectomy Lens (Compatible with Machine) 3. Gonio Lens (Compatible with Machine) |
| 16. | Argon laser | <ul style="list-style-type: none"> • Wave Length: 532nm • Power: 1.2W or better • Pulse Duration: 0.1sec to 1sec or better • Aiming Beam: 635nm – 650nm • Cooling: Thermoelectric/Air cooling • With Foot Switch • Spot Size: 50um – 500um • Single Spot mode: Single, • Standard slit lamp • Standard filter having red, yellow and green filters • Laser application lenses-One macular grid, one standard PRP and one wide field lens • Laser Probe: Straight: <ul style="list-style-type: none"> 20G Qty 1 23G Qty 1 |

| | | |
|--|------------------------|---|
| | | <p>25G Qty 1</p> <p>Curved 20G Qty 1</p> <p>Flexible Curved:</p> <p>23G Qty 1</p> <p>25G Qty 1</p> <p>Steerable:</p> <p>23G Qty 1</p> <p>25G Qty 1</p> <p>(Price should be quoted separate for laser probe)</p> <p><u>Accessories:</u></p> <ol style="list-style-type: none"> 1. Power Foot Switch 2. Safety goggles 3. Goldman four mirror lens 4. Area centralis lens |
| 17. | A-B scan | <p><u>Ophthalmic ultra sound for A -scan biometry, B –scan with pachymetry</u></p> <p><u>B-mode:</u></p> <ul style="list-style-type: none"> • Gain adjustable 20 -110db or more. • TGC 0-30db or better. • Dynamic range 25 – 80db or more • Probe: 10 MHz or better. • Scanning angle: 30 to 60 degree or better. <p><u>A scan:</u></p> <ul style="list-style-type: none"> • Probe: 08 MHz or more. • Depth 1 – 50mm or more. • Operating modes cataract, aphakic, phakic and manual. • Calculation: SRK, SRK II, HOLLADAY, SRK/T., HOOFER-Q, POST REFRACTIVE, HAIGIS. • 10" or more color touch screen monitor with built-in printer/Compatible laser Printer (Model,Make must be mentioned). • Time gain suspension. • Image line real time replay function. <p>With A, B, B+A features.</p> |
| <p align="center">Technical Specifications of Medical Equipment</p> <p align="center">Category B</p> | | |
| 18. | Dental unit with Chair | <p>Comprising of: -</p> <ul style="list-style-type: none"> • Hydraulic Dental Unit Chair mounted fully motorized Electric /Hydraulic (Electrically operated)/Electro- Hydraulic. • Air turbine high speed, 3 spray system branded (model must be |

| | | |
|--|--|---|
| | | <p>mentioned)</p> <ul style="list-style-type: none"> • Air motor (3 in1) slow speed with contra angle attachment branded (model must be mentioned) • Triple syringe. • Built-in Scalar (Model and Make Must be mentioned) • Dental Light: Halogen/ LED • Automatic Cup filler • X-ray film viewer • Cotton holder • Waste receptacle • Oil free branded compressor (model must be mentioned) with tank and regulator. • Motor:1.5 HP • Output:100L/min • Pressure:5-8 Bars • Tank Capacity:20L <p><u>Assistant Unit:-</u></p> <ul style="list-style-type: none"> • Cuspidor bowl with flush system (spittoon) • Saliva ejector • High Power Suction system (Air operated) • Trip <p>le Syringe</p> <p><u>Dental</u></p> <p><u>Chair:</u></p> <ul style="list-style-type: none"> • Fully automatic motorized Electric/ Hydraulic chair (Electrically Operated). • 4 or more positions, operated on 220V / 50Hz • Motorized motion to raise / lower the seat and back by electro- hydraulic System. • Automatic Back to Zero Position. • Equipped with safety cut out device • Adjustable head rest forward/ backward and up /down movements • Right arm swings (in / out)/Adjustable for patient ease. • Chair movement is smooth and silent through Electric <p>Motors/solenoid valves.</p> <p><u>Dental Light:</u></p> <ul style="list-style-type: none"> • Day light Shadow less dental light. • The light arm is well balanced and adjustable to different heights with variable horizontal and inverse movements. <p><u>Doctor's Tray:</u></p> <ul style="list-style-type: none"> • Moveable over the patient through swing in / out on flexible self-supporting balance arm. • Instrument tray covered with stainless steel lid/Silicon Material. • Availability of 4-tubings (Borden 2 holes) • Cotton holder and waist receptacle. • Water on / off Toggle switch and flow control Air / water regulator for hand pieces and triple syringe. • Air pressure gauge. • X-ray viewer. <p><u>Cuspidor unit:</u></p> <ul style="list-style-type: none"> • Water outlet services with junction / utility box. |
|--|--|---|

| | | |
|-----|--------------------------------|---|
| | | <ul style="list-style-type: none"> • Equipped with automatic and manual cup filler. • Single piece spittoon with solid collector • Bowl's flush automatic and manual. • Triple syringe, • Saliva ejector • High power suction (Air operated) <p>Dentist + Assistant Stool:</p> <ul style="list-style-type: none"> • Touch Panel Control on assistant side • Gas operated Seat with Shock absorbing. • Adjustable at any height by lever control. • Anatomically designed back rest for maximum lumber support. • Seat with back rest rotatable freely 360deg. • Mobile on 5-castor for smooth movement • With foot supporting facility. |
| 19. | Defibrillator with ECG Monitor | <ul style="list-style-type: none"> • Multi Parameter Patient Monitor • (3ch 5 lead ECG, SpO2, NIBP, TEMP, Resp.) • Semi-automatic 200 joules or better biphasic defibrillator with monitor and AED mode. • Synchronized output with ECG. • Control of energy charging/ delivering on main panel and paddle. • The energy range should be adjustable for Peads and adults up to 200Joules. • Charging Time for full energy will be less than 08 sec. • Screen Size of approx. 7 inch or better colored. • Display of Heart Rate: 30 to 300 bpm • ECG through Pads / paddles and 3 Lead ECG patient cable with arrhythmia detection • Built in recorder for printing of full summery on standard paper including waveforms, Frozen Waveforms, Event Summary, Tabular Trends, User test, and Configuration. • Alarms for High and low Heart rate, low battery warning. • AC 220V / 50 Hz operated. • Built-in Rechargeable battery with charger having capacity of 50 Shocks. • At least three hours backup on monitor. • Auto tester/self-check. • External pediatric and adults Paddles, ECG cable with reusable electrodes for adult & Peads. • AED facility. • AED pads • Pacing facility <p>ACCESSORIES:</p> <ul style="list-style-type: none"> • ECG 5 Lead cable. 1 • Disposable Electrodes Adult, Neonate & Paeds. 20 each • SPO2 Finger sensor with fixed or detachable extension (each for adult, Peads and neonate) cable of minimum 3-meter length.1 • NIBP Reusable Neonate, Paeds & Adult Cuff 1 • NIBP Hose 1 • AC power code 1 • Ground cable 1 |

| | | |
|-----|---|---|
| | | <ul style="list-style-type: none"> • Operation Manual 1 |
| 20. | Defibrillator with Trolley | <ul style="list-style-type: none"> • Semi-automatic 200 joules or better biphasic defibrillator with monitor and AED mode. • Synchronized output with ECG. • Control of energy charging/ delivering on main panel and paddle. • The energy range should be adjustable for Peads and adults up to 200Joules. • Charging Time for full energy will be less than 07 sec. • Screen Size of approx. 5.6 inch or more colored. • Display of Heart Rate: 30 to 300 bpm • ECG through Pads / paddles and 3 Lead ECG patient cable with arrhythmia detection. • Built in recorder for printing of full summery on standard paper including waveforms, Frozen Waveforms, Event Summary, Tabular Trends, User test, and Configuration. • Alarms for High and low Heart rate, low battery warning. • AC 220V / 50 Hz operated. • Built-in Rechargeable battery with charger • Auto tester/self-check. • External pediatric and adults Paddles, ECG cable with reusable electrodes for adult & Peads. • AED facility. • AED pads • Pacing facility • Trolley |
| 21. | Nebulizer | <ul style="list-style-type: none"> • Maximum compressor pressure 2-3.0 bar or better • Nebulization rate 0.2 ml / min • Compressor air flow 10lit / min or better • Particle size(mmad) 0.5m to 5m • Noise level 55 db • Electrical requirement 220v/ 50Hz <p>Nebulizer assembly and Accessories:</p> <ul style="list-style-type: none"> • Tubing • Nebulizer cup • Nebulizers insert. • Nebulizer cap • An adult mask • Mouth piece • extra filters |
| 22. | Emergency OT light Ceiling mounted with batttery backup | <ul style="list-style-type: none"> • Shadow less light ceiling type, including single arm, 360 degrees rotary stable and suspended. • The light should be height adjustable and focused according to the size of the patient's surgical area. • Dual Dome • Intensity control available. • LED light source |

| | | |
|-----|---|--|
| | | <ul style="list-style-type: none"> • Light intensity: Maximum 160,000 Lux + 160,000 or better at 1 meter distance • LED life of 50,000 hours or better • Color Correction to 4000degKelvin or better • Input power 220VAC, 50 Hz • With sterilized handle for movement. • Backup power system with dry battery (s), with backup time at least 03 hours or more. • Complete with Installation |
| 23. | Portable OT Light with battery Backup | <p>Operating Light with: -</p> <ul style="list-style-type: none"> • Single dome • On Balance mobile Stand • LED light source • Light intensity Max 70,000 lux or better • LED life of 50,000 hours or more • Color Correction to 4000 deg Kelvin or better • With intensity light control • Multi flex arm with ultimate flexibility of positioning the lamp head. <p><u>Electrical Supply:</u></p> <ul style="list-style-type: none"> • 220-volt 50Hz, • Reversible overload and short circuit protection <p>Inbuilt Backup power system with rechargeable branded dry batteries with backup time at least 03 hours</p> |
| 24. | Infusion pump | <ul style="list-style-type: none"> • Infusion pump with visible handle, with IV Pole(imported/local). • Power requirements: AC: 100-240V; 50Hz • Modes: weight, Volume, and flow/Dose rates • Delivery / Flow rate: 0.1-999.9ml/h • Volume range 1-9999 • Occlusion Limit low, Normal, High • Facility with keep vein open rate. • Anti-Bolus function, Titration function should be available. • Volume infused display and Dynamic cannula pressure displayed on screen. • Full alarm system. • Air in line detection. • Occlusion detection capability. Vertical stand mobile type • Builtin battery backup: 2 hours or better • Water-Proof Grade : IP34 or Equivalent • With all standard accessories. |
| 25. | ENT examination unit/ENT mirror and light source, | <p>Main Unit</p> <ul style="list-style-type: none"> • Durable Steel casing or Non-rusting or long lasting • Large instrument surface made of stainless steel with dividers and heating system to heat the instruments, laryngeal mirrors and endoscopes. • Device to Heat the laryngeal mirrors. • Compressed air system continuously adjustable from for spray and politzerizing, spray liquid with autoclavable nozzle for cleaning. • Handle for compressed air. • Medication reservoir be made of stainless steel, should be detachable and suitable for all type of medications. |

| | | |
|--|--|---|
| | | <ul style="list-style-type: none"> • The system should have variable compressor inletting air. • Compressor unit should be completely separate from suction unit. • Inbuilt motor suction unit with capacity of 35 liters per minute • Should have a vacuum gauge, bacterial filters, 1.5 liters liquid container or effective device to prevent overflow. • Suction tube should have automatic on off switch and small ear rinse funnel. • Warm water rinsing Device with autoclavable stainless-steel handle with snap closure system and fine spray regulation valve. • Separate stainless steel to prevent mineral build up and heat up to 37-degree temp. • Cold water irrigation through existing water connection • Automatic liquid container discharge system should be provided. • Dispenser for cotton and paper. • Provision for attachment of microscope. • Endoscopy center with cold light source with two outlets with 300 LED/XENON/HALOGEN light bulb. • Head light with fibro-optic cable to be used with above light source for examination • Head light rest made of stainless steel • Two warming quivers for rigid endoscope-should be removable for autoclaving and cleaning • Automatic on/off switch for single light outlet with light barrier • Power supply 220-240 volts/50 Hz • Mono and Bipolar cautery system with all cables & probes/forceps. <p>RIGID ENDOSCOPES</p> <ul style="list-style-type: none"> • 4mm/ 30 degree nasal endoscope ---- Qty 1 • 2.7mm/ 30 degree nasal endoscope-----Qty 1 • Magnifying 90 degree Laryngoscope with facility to focus manually---- Qty1 • Ear telescope 3mm-diameter/ 6cm length/ 0 degree---Qty 1 • All above endoscopes should be autoclavable/Sterilizable and should have the facility to couple with HD camera head for record, take images and transmit the same monitor for better visualization. <p>ENT EXAMINATION MICROSCOPE:</p> <ul style="list-style-type: none"> • The ENT examination microscope with integrated, fanless high transmission, high performance LED illumination in the microscope head. • Integrated, finless high performance white-light-LED and fine lens Optimized stereo effect by F=24 mm stereo basis • Mechanical support arm for the microscope • Expandable with scale projection at the image plane with an option of green filter Objective: 200 mm, (fine focusing) • Objectives with manual fine focusing Visualization: • ENT Microscope should have the facility to couple with HD camera head for record, take images and transmit the same monitor for better visualization. • wide-field eyepiece 10x magnification • The ENT microscope should be attached/ mounting with main ENT unit. <p>Display and recording system.</p> <ul style="list-style-type: none"> • High resolving 1/3" CCD/CMOS camera easily attachable with endoscope and microscope. |
|--|--|---|

| | | |
|-----|--------------------|---|
| | | <ul style="list-style-type: none"> • It should have the facility during examination to rotate, and hold/pause the image • Recording of images and videos in HD digital formats. Easily transferable to External hard drives and USB pen drives/storage cards without losing resolution. • High light HD-LED monitors 21 inch or better. <p>ENT PATIENT EXAMINATION CHAIR</p> <ul style="list-style-type: none"> • Should be motorized and ergonomically designed examination and treatment chair facilitating the posture of both doctor and patient • Heavy base casing • All elements of chair should be shaped according to the patient position. • Seat should have motorized lifting device • Seat should have height adjustment for children • Integrated foot switch for easy adjustment of height • Should have complete rotation 340 degree with locking device • Should be comfortably padded and folded back for enabling easy sitting of overweight and handicapped patient • Head rest-15cm with adjustable height or as per manufacturer • Backrest adjustable and can be made to incline 10 degree forward to vertical position and backward completely to a horizontal position and can be rolled back • Movement of armrest and footrest should be synchronized with backrest movement • Power supply:220VAC V, 50H <p>DOCTORS EXAMINATION CHAIR</p> <ul style="list-style-type: none"> • Wide base, should have rolling casters for easy movement • Should have back rest • Easy height adjustment of hydraulic nature • Comfortably cushioned seat. |
| 26. | ECG Machine | <ul style="list-style-type: none"> • 03 channels ECG Machine • Should be portable and lightweight. • Voltage 220 volts, 50hz • Display 3" or more. • Simultaneous 12 leads acquisition • Must have continuous display of patient heart and rate • Must have integrated pediatric analysis. • Support the 12-lead ECG analysis program for complete ECG Analysis reports with measurement data table should be provided. • Must be able to indicate at least four or more critical values that require immediate clinical attention. • Printer: High Resolution and in built thermal array printer. • Battery Capacity: Must be 2 hours without printing. • Can save up to 100 ECGs in internal memory or more • Complete with Patient Cable. • Reusable Electrodes Set. • ECG Rolls 20 Nos. • Gel 5 liters and Standard Accessories with each unit. • Should be Supplied with mobile local/Imported trolley. |
| 27. | Hydraulic OT Table | <p><u>General Design:</u></p> <ul style="list-style-type: none"> • Stable base construction with four castors for easy movement. |

| | | |
|-----|----------------|---|
| | | <ul style="list-style-type: none"> Manual base brake, lateral tilt and Trendelenburg adjusted by hand crank or by Gas Spring Control, base Cover, side rails, accessories & clamps made of stainless steel. <p><u>Tabletop:</u></p> <ul style="list-style-type: none"> Divided into 5 sections including head plate, back plate, seat plate and split leg plates. Table top elevation controlled by hydraulic system, with sliding table top 30 cm or more for unrestricted image intensifier access, with side rails for the insertion of X-Ray cassettes (table top made of acrylic sheet plates/Any Radiolucent material for X-ray radiography). Full set of hydraulic control system for hydraulic lock protection or as per manufacturer Size: 2000x500x750 mm \pm 10 % Trendelenburg/ Reverse Trendelenburg 25°/25°each Lateral Tilt Left/Right +15°/+15°each Head plate up/down +40° / -40° <p><u>Standard Accessories:</u></p> <ul style="list-style-type: none"> Mattress set, Pair of arm rest with quick dis-connectable clamps. Adjustable head rest. Pair of shoulder supports. Lithotomy pole with universal swivel clamps. Anesthesia frame 1 Nos Infusion rod 1Nos Foot rests 2 Nos. Side supports 2 Nos With inbuilt Kidney Elevator Facility <p><u>Attachment:</u></p> <ul style="list-style-type: none"> Traction stopper with mattresses. Castor with break device Vertical evaluator lock handle. Traction crank Reaction foot boot. The tractor range is 200 mm and elevation range 200 mm. <p>Note: \pm 10% of degrees and measurement's will not be considered as deviation.</p> |
| 28. | Motorized Beds | <p><u>Motorized, battery operated Cardiac /ICU bed bed with remote controller.</u></p> <ul style="list-style-type: none"> The Bed must facilitate a metal constructed, mattress surface covered with 4-section abs Materials, ABS/SScovered sub-frame. The Sub-frame under the mattress surface must becovered with steel Material. The Bed must have fold- Away ABS side rails on bothsides of the bed, controlled separately. The bed facilitates a hand control panel and Integrated panel which must have adjustments of the following functions <ul style="list-style-type: none"> a) Backrest up-down b) Footrest up-down c) bed height up-down. The bed must have electrical Trendelenburg andreverse Trendelenburg adjustment. Between $\pm 12^0$ or more by means of hand control unit. Fowler, vascular, cardiac chair position and auto-contour |

| | | |
|-----|----------------------|---|
| | | <p>positions by hand control unit and integrated panel.</p> <ul style="list-style-type: none"> • The backrest section of the bed must be able to be adjusted between 0-70° • The bed must be equipped with auto-regression system at back rest. • The footrest section must be able to be adjusted between 0-28° or more. • Central brake system or lockable castors. • The bed must facilitate 4 IV pole sockets and head and footboards sockets made a plastic, located under the head and footboards. • The bed must facilitate 4 protective bumpers on external corners to prevent damage on the contact area during bed movements and transfer. • The bed must work on 220V/ 50 Hz have rechargeable battery backup for movement control. • There must be urine bag hangers on both sides of the bed. • Gradually adjustable footrest. • 5 inch dia casters two of them must be lockable diagonally. • The metal parts of the bed must be epoxy powder coated. • The bed must have a safe load bearing capacity of 230Kg or more. • The bed's height must be able to be adjusted between 40cm and 70cm or better • Overall width 85 cm or more. • Overall length 195cm or more. • Side Railing/ side guard • The bed should have facility to take X-Ray of the patient over the bed . • Mattress should be provided with high density good quality according to the bed size, anti-bacterial, and water proof, shaped according to human body or bed position. |
| 29. | Centrifuge Bench Top | <p>Microprocessor controlled centrifuge machine with the following specifications.</p> <ul style="list-style-type: none"> • Angle Rotor Maximum Speed 4000 rpm or more. • Timing Up To 99 Minute, Continuous. • Programmable by Keypad; 10 Program storage. • Digital Display of Program Speed, Timing, Braking. • Noise 60dB or less. • Lid Safety Interlock. • Angle Rotor, Maximum Capacity 12 X 15ml or better. |
| 30. | Water Bath | <ul style="list-style-type: none"> • Microprocessor controlled. • Capacity: 6 liters or more • Digital display for temperature controlled. • Temperature Range: Ambient to 80 °C • Accuracy: +-0.5 °C • Uniformity: +- 2.0°C • Material: Bath: seamless stainless steel with lid/ Deep drawn seamless stainless steel. • Case power coated steel/ Textured stainless steel. • Safety: over temperature cut-off, Alarm • Electric supply: 220v, 50Hz |
| 31. | Lab Microscope | <p><u>Standard Microscope Consisting of:-</u></p> <ul style="list-style-type: none"> • Binocular Head Adjustable Inter Papillary Distance • Rotating Quadruple Nose Piece |

| | | |
|-----|------------------------|---|
| | | <ul style="list-style-type: none"> Adjustable stage with venire Scale And spring clip for slides Coaxial Controls Condenser carrier, vertically adjustable Bright field condenser, NA ,1.25,FlipTop Light adjustment for condenser Aperture Iris Diaphragm Halogen /LED illumination Eye Piece Lenses:- X10 20mm wide field, focusable Objective Lenses:- X4 Plain Achromatic X10 Plain Achromatic N.A0.25 X40 Plain Achromatic N.A0.65 X100 Plain Achromatic N.A1.25, Oil Immersion With following accessories: - Blue iris aperture Oiler Dust cover |
| 32. | Blood Bag tube sealer | <ul style="list-style-type: none"> The system should be heavy duty and be able to seal the blood bag tubing quickly and effectively. Should be simple to handle. System should gently seal the tubing with no hemolysis using radio frequency. Should be capable of making wide seal of 2 mm thickness. The sealing time should not be more than 2 seconds. Sealing trigger should be automatic. Should have indication lamps for Sealing Process. No warm-up time should be required. Should ensure easy separation of tube segments after the sealing. Power input 220-240V/ 50 Hz AC |
| 33. | Rechargeable Autoscope | <ul style="list-style-type: none"> Rechargeable handles 3× magnification Large view window Fiber optic illumination LED technology / XHL Xenon Halogen technology One-year product warranty Tip sizes: 2.4 mm, 3 mm, 4 mm, 5 mm Material: Cu, ABS, PMMA. Ni-MH Rechargeable Battery |
| 34. | Audiometer | <ul style="list-style-type: none"> Large backlight graphical LCD display Input voltage 220v,50Hz True two channels include microphone, assistant phone. Automatic data transfer to computer and data printer Test signals: pure, pulse, warble tone, narrow band, white. Speech masking noise. Tone test Speech test. Inputs: CD/Tape, stereo live speech microphone, external masking, patient microphone, patient response switch. |

| | | |
|-----|-------------|---|
| | | <ul style="list-style-type: none"> • Air conduction range: 60db to 90dBHL or better on either side, include headphone. • Bone conduction range: 60db to 70/75 db or better. • Speech: 60db to 100dbHL. • Masking: Free as well as synchronized masking • High tone audiometry for AC 125 hz - 8000 Hz • High tone audiometry for BC 250 hz - 8000 Hz • Selectable range of Test frequencies. <p>Accessories:</p> <ul style="list-style-type: none"> • Air conduction head set. • Bone conduction head set • Patient response switch • Micro phone. |
| 35. | ABG Machine | <ul style="list-style-type: none"> • Microprocessor control light weight portable machine • Test category: pH, pO₂, pCO₂, Na, K, Ca, Glu, Lac, Hct • Easy to operate. • Measuring time should be less than 15 minutes or better • Sample type: whole blood • Patient data storage facility • With battery backup of more than 2 hour or better • Capable to show result on screen. <p>Notes: Bidders shall be required to submit the per-test cost along with the quoted price of the machines. The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment. Quoted per test cost shall not be exorbitant than prevailing market rates otherwise the contract will not be awarded if found over and above.</p> <p>The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of Installation.</p> |
| 36. | PH meter | <p>PH:</p> <ul style="list-style-type: none"> • PH Range Accuracy: .0 ~ 14 • Resolution: 0.01 • Calibration: User selectable 1 or 2 points. <p>mV:</p> <ul style="list-style-type: none"> • Range: ±1900mv. • Resolution: 0.01mV • Accuracy: ±1mV <p>Temperature:</p> <ul style="list-style-type: none"> • Temperature range: -5~100°C ±0.4°C. • Resolution: 0.1°C. • Accuracy: ±0.5°C <p>Display:</p> <ul style="list-style-type: none"> • Display: LED / LCD. <p>Power: DC Power Adaptor.</p> |

| | | |
|-----|-----------------------------------|---|
| 37. | Ice Lined Refrigerator (ILR) | <ul style="list-style-type: none"> • Medical Grade • Capacity: 400 Liter or better • Vertical Type • Digital Temperature Recording • Glass Door • Display for easy viewing size 5 inch or better • Self-Closing with Stopper System at 90 degree or better • Safety key Lock shall be available. • Alarm for warning and error messages (Low, High Temperature, and Door Opening Alarm. • Acoustic and Visual Alarm for temperature and power failure • Temperature Range: 2 to 10 ±1 degree C • Inertial Light LED Type, Adjustable Shelves. • With Servo controlled stabilizer. |
| 38. | Semi Automated Chemistry Analyzer | <ul style="list-style-type: none"> • Easy keypad operation with LCD Display / touch screen. • Wavelengths range is 340-670nm (± 10nm) • Supports flow cell and curette mode. • Analytical models include kinetic, fixed time. Bi-chromatic end point with or without reagent blank or sample blank, linear or non-linear calibration curves. • Up to 1000 test results can be stored. • Excellent QC function, 02 controls per test. <p>Specification: -</p> <ul style="list-style-type: none"> • Absorbance Range: 0.500-3.00 Abs. • Resolution: 0.001 Abs (displayed) • Light sources: Halogen lamp. • Wavelengths: 340-670nm (± 10nm) • Wavelength Accuracy: ±1nm to ±3nm • Band Width: < 8nm. • Flow Cell: Metal – quartz flow cell. • Temperature Control: 37° C, ±0.1°C and ambient • Output: Internal Printer. • Interface: Rs-232 serial cable. • Two extra Lamp. <p>UPS:</p> <ul style="list-style-type: none"> • Branded and compatible UPS for at least 30 minutes backup. • Input Voltage : 110-260v 50Hz, Output : 220v 50 Hz. <p>The bidder will provide kits for 100 patients along with the machine free of cost at the time of installation.</p> <p>Notes: Bidders shall be required to submit the per-test cost along with the quoted price of the machines. The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment. Quoted per test cost shall not be exorbitant than prevailing market rates otherwise the contract will not be awarded if found over and above.</p> |

| | | |
|-----|------------------------------------|---|
| | | The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of Installation. |
| 39. | Fully Automated Chemistry Analyzer | <p>Microprocessor based windows internal or external operated system</p> <ul style="list-style-type: none"> • Samples / Hour: 180 or more tests, up to 220 or more tests/hr with ISE. • Sample Tray with 40 or more sample positions for primary tubes and test tubes. • Regent position 32 or more • Sample Volume: 2 µL – 30 µL or better • Probe Sensors: Liquid level detection and collision protection. • Probe cleaning: Automatic washing. • Wavelengths: 340nm to 670nm. • Absorbance Range: 0.0001 Abs units to 3.0 Abs. • Data Storage: 1800 or more (patient results) • Port: RS-232. • 220 V, 50 Hz AC operated. • With integral or external printer (Model must be mentioned) • Connectivity: RS 232/LAN/USB or equivalent. <p>Accessories</p> <ul style="list-style-type: none"> • Sample cup's reaction cures: 2000 • User manual • Operation Software. <p>UPS:</p> <ul style="list-style-type: none"> • Branded and compatible UPS for at least 30 minutes backup. • Input Voltage: 110-260v 50Hz, Output: 220v 50 Hz. • The bidder will provide kits for 100 patients along with the machine free of cost at the time of installation. <p>Note: Bidders shall be required to submit the per-test cost along with the quoted price of the machines. The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment. Quoted per test cost shall not be exorbitant than prevailing market rates otherwise the contract will not be awarded if found over and above.</p> <p>The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of installation.</p> |
| 40. | POP cutter | <ul style="list-style-type: none"> • Speed: 0-11000 rpm or more • Blade Size: As per manufacturer • Voltage: 220 Volt |
| 41. | Hematology Analyzer 5 Part | <p>Consisting of:</p> <ul style="list-style-type: none"> • Hematology Counter with 5 Parts differential automated. |

| | | |
|-----|--|---|
| | differential with UPS | <ul style="list-style-type: none"> • Throughout 60 Samples / Hour or better. • Minimum 25 or better parameters including: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW-sd, RDW-cv, HGB, MCH, MCHC, PLT, PCT*, MPV, PDW-sd*. • Flagging of results. • Micro sampling capability. • Manual / Auto Calibration Program. • Reagent level alert. • Automated start up and shutdown • Result storage: up to minimum 20,000 results. • Patient data entry and specimen recognition by Keyboard. • RS 232 Interface. • With internal / external Printer • With inbuilt auto-sampler or external specimen mixer. • Consumables, Reagents, Calibrators, Controls for startup. • The bidder will provide kits for 500 patients tests along with the machine free of cost at the time of installation. <p>UPS:</p> <ul style="list-style-type: none"> • Branded and compatible UPS for at least 30 minutes backup. • Input Voltage: 110-260v 50Hz, Output: 220v 50 Hz. <p>Note: The bidder must quote the price / test or reagents pack of 500 tests or 1000 tests price separately.</p> <p>Notes: Bidders shall be required to submit the per-test cost along with the quoted price of the machines. The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment. Quoted per test cost shall not be exorbitant than prevailing market rates otherwise the contract will not be awarded if found over and above.</p> <p>The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of Installation.</p> |
| 42. | Hematology Analyzer 3 Part differential with UPS | <p>Consisting of:</p> <ul style="list-style-type: none"> • Hematology Counter with 3 Parts differential automated. • Throughout 40 Samples / Hour or better. • Minimum 19 or better parameters including Hb, WBC, RBC, MCV, Plt, and Derived values. • Flagging of results. • Micro sampling capability. • Manual / Auto Calibration Program. • Reagent level alert. • System monitoring • Automated start up and shutdown • Result storage: up to minimum 500 results. • Patient data entry and specimen recognition by Keyboard. • RS 232 Interface. • Internal Printer. |

| | | |
|-----|----------------------------|---|
| | | <ul style="list-style-type: none"> • With inbuilt auto-sampler or external specimen mixer. • Consumables, Reagents, Calibrators, Controls for startup. • The bidder will provide kits for 500 patients along with the machine free of cost at the time of installation. <p>UPS:</p> <ul style="list-style-type: none"> • Branded and compatible UPS for at least 30 minutes backup. • Input Voltage: 110-260v 50Hz, Output: 220v 50 Hz. <p>Note: The bidder must quote the price / test or reagents pack of 500 tests or 1000 tests price separately.</p> <p>Notes: Bidders shall be required to submit the per-test cost along with the quoted price of the machines. The quoted per-test cost shall be inclusive of all consumables, reagents, and accessories necessary for the operation of the equipment. Quoted per test cost shall not be exorbitant than prevailing market rates otherwise the contract will not be awarded if found over and above.</p> <p>The prices of all laboratory reagents associated with the quoted equipment shall remain fixed for a period of three (03) years from the date of Installation.</p> |
| 43. | Haemocytometer | <ul style="list-style-type: none"> • Standard: Complies with general hemocytometer standards • Scale marked line (mm): 1×1 • Scale mark thickness: $3 - 4 \mu\text{m}$ • Scale mark depth: $0.100 \text{ mm} \pm 2 \mu\text{m}$ • Plate thickness: Approx. 4.3 mm • Material: White glass • Refractive index: $N_d = 1.523$ • Variance value: $Le = 58.6$ • Alkali elution amount: 0.1 mg (Na_2O) • Accessories: 2 × cover glass sheets ($26 \times 20 \times 0.4 \text{ mm}$) |
| 44. | Urine meter | <ul style="list-style-type: none"> • Semi-automated urine analyzer. • Cold light source, • Auto safe data in case of power failure. • Ascorbic acid, bilirubin, blood, glucose, ketene, leucocytes, nitrite PH and more • Throughout normal mode. 60 sample / hour or more. • Display: LEDs / LCD Touch screen • Memory: 1000 sample results. • Output Built-in thermal printer. |
| 45. | Electric Oven/Hot Air Oven | <p><u>Features:</u></p> <ul style="list-style-type: none"> • Dust-Free Gravity-Flow convection • For drying, conditioning, Sterilizing and quality control. • Display: Temperature control, timer, alarm. • Automatic on/ off function • Over temperature and current protection. • Leakage breaker, fan motor automatically stops when door is opens. • Rapid Heat up in 25 min up to 240°C • Digital Timer built-in Controller |

| | | |
|-----|------------------------|---|
| | | <ul style="list-style-type: none"> • Capacity: 55-60Liters • Temperature Range: Ambient 5°C to 250°C • Accuracy: +1.0°C • Uniformity: + 3.0°C at 120°C • Timer: Automatic timer 0-99 min,99hr, continuous • Material Inner Stainless Steel • Outer Steel with epoxy powder coating • Shelves: Adjustable 2 or more • Electric Supply 220 V, 50Hz |
| 46. | Hemoglobin meter | <ul style="list-style-type: none"> • Reflectance photometry, methemoglobin detection • Results in <15 sec • Memory: 1,000 tests with date/time/ID • Sample: 10 µL capillary or venous blood • Hb range: 5.6–23.5 g/dL; Hct: 35–51% • Wavelength: 525 nm • Mini USB interface; auto calibration • Precision CV: ≤3% (within run & total) • Accuracy: $R^2 = 0.988$ (venous & capillary) • Operating: 10–40 °C; ≤90% RH • Strip shelf life: 2 years (unopened), 3 months (opened) • Power: 4×AAA or Mini USB • Auto shut-off: 8 min • LCD: 50×50 mm • To be supplied with 500 strips |
| 47. | Glucometer and sticks | <ul style="list-style-type: none"> • Glucose monitor, battery operated, hand held, complete with case. • Lancet holder with lancets and glucose monitoring strips. • The supplier to ensure the availability of strips. • To be supplied with 1000 strips • Separate price must be quoted for strips. |
| 48. | Fetoscope/sonic aid | <ul style="list-style-type: none"> • Fetal Heart Beat / Sound Detection & Rate Monitoring. • Heart rate digitally displayed, • Heart beat audible through the built-in speaker (earphone). • Ultrasonic frequency/output: 2 MHz • Audible output: 0.6W (Speaker output: Max.20W) • Heart rate detection range: 50-240bpm • Power requirements: Rechargeable battery for 1 hour with AC recharging unit. |
| 49. | Dental Autoclave | <ul style="list-style-type: none"> • Microprocessor controlled. • Mini autoclave Class B type • Capacity 18 liters or more (Bench top) • Digital display • Automatic functioning • Pre and post fractionated vacuum. • Sterilization temperature:121°C to134°C • With demineralizer (model and make must be mentioned) |
| 50. | Ultraviolet sterilizer | <ul style="list-style-type: none"> • Power: 15W • Voltage: 220V/110V • Frequency: 50Hz/60Hz |

| | | |
|-----|-----------------------|---|
| | | <ul style="list-style-type: none"> • Capacity: 27L • Disinfection time: 15 minutes • Package includes: 1 pc Dental Medical UV Sterilizer, 10 pcs sterilization trays • High sterilization efficiency; increases turnover of medical items • Durable construction with high-strength plastic aluminum components • Resistant to long-term UV irradiation |
| 51. | Resuscitation trolley | <p>Overall dimension 2.5'(L) x 2'(W)x3' H or better</p> <ul style="list-style-type: none"> • Electro-galvanized steel sheet structure / aluminum alloy/ ABS, Epoxy powdered coated, finish rounded, edges washable and can be infected. • Push handles one end. • Height adjustable IV Holder rod. • Shelf for defibrillator / ECG can be rotatable with locking facility. • Three or more drawers. • Detachable waste bin with bag holder. • CPR board. • Antistatic no skidded casters with 2 brakes. • Oxygen bottle support with fastening belts. • Catheter tubes holder. • Stainless steel / plastic bracket on back side for mounting oxygen cylinder/bracket for mounting oxygen cylinder. • 02 Nos Electrical universal power outlet and rollup power supply cable. <p>Accessories</p> <ol style="list-style-type: none"> 1. Oxygen Cylinder small size 2. Oxygen Regulator 3. Oxygen flowmeter 4. Resuscitator Set reusable and autoclavable comprising of. <ul style="list-style-type: none"> • Silicon Resuscitation Bag with adult face mask sizes 3, 4, 5 & Airway size 3, 4, 5 with E2 valve and fully autoclavable. • Reservoir bag volume 2 liter or more 5. Laryngoscope with 3 blades 6. Magill Forceps 7. Endotracheal Tubes set of 12 tubes. 8. Pen torch 2 qty 9. Artery forceps 2 10. Dressing scissors 2 |
| 52. | Pulse oximeter | <ul style="list-style-type: none"> • Hand held/Desktop pulse oximeter (Do not quote fingertip pulse oximeter). • Sensors: Finger clip with probe for neonatal, Paeds & adult. • Range: O2 saturation 0 -100%. • Pulse rate 25 – 250 bpm or more. • Display: Pulse waveform, SPO2 and pulse rate and O2 Saturation. • Resolution: O2 saturation 1% • Accuracy: O2 saturation 80-100% $\pm 2\%$ or better • Power requirements: AC: 220 V 50Hz |

| | | |
|-----|----------------------------|--|
| | | Li-ion battery 2 hours for charging, 24 hours or better continuous working |
| 53. | Light duty nebulizer | <ul style="list-style-type: none"> • Maximum compressor pressure 2-3.0 bar or better • Nebulization rate 0.2 ml / min • Compressor air flow 10lit / min or better • Particle size(mmad) 0.5m to 5m • Noise level 55 db • Electrical requirement 220v/ 50Hz <p>Nebulizer assembly and Accessories :</p> <ul style="list-style-type: none"> • Tubing • Nebulizer cup • Nebulizers insert. • Nebulizer cap • An adult mask • Mouth piece • extra filters |
| 54. | Suction Machine Heavy Duty | <ul style="list-style-type: none"> • Mobile suction pump Oil-Less along with 4 anti- static wheels with lock. • Convenient for operation, with following performance features: • Built-in Vacuum gauge with a range from: 0-650 mm Hg or more adjustable. • Flow capacity: Not less than 50 l/min or better • Explosion proof footswitch. • Capacity of two graduated suction bottle: 2500cceach or more (Autoclavable) • Heat resistant and disinfect able rubber tube for suction. • Over flow safety device. • Triple flow safety • Power requirement: 220V, 50Hz. <p>Complete with suction nozzle and other standard accessories</p> |
| 55. | Intensive baby incubator | <ul style="list-style-type: none"> • Microprocessor controlled. • Incubator to have a large double Plexiglas hood with excellent dual viewing panels mobile on lockable castors. • Temperature range: 35 to 37-degree C. • To have an integrated/External sensor module to collect air and skin temperatures Spo2, oxygen, humidity and pass this information to the display. • 7 inch or more LCD/TFT screen should be available to display relevant information. • The sensor module to have a visual alarm facility to complement the audible alarm. • The mattress base to be contoured, x-ray translucent. • To be able to tilt ± 12 degrees or more. • Trend data for 24 hours or more. • The hood to have four doors, two on either side'. Openings with 4 tubing access ports. • The unit to have the temperature, oxygen level and humidity to preset levels. |

| | | |
|-----|------------------------|--|
| | | <ul style="list-style-type: none"> • To have an alarm for all these parameters with a low initial alarm intensity to avoid undue disturbance. • Oxygen to be able to be calibrated from 21% to 65%, • The humidity module to be front loading / side loading and to need filling daily. • The mattress base tilts control to be knobs on the base. • Noise should be $\leq 45\text{dbi}$. <p>Accessories:</p> <p>Telescopic IV stand.</p> <p>Monitoring shelf,</p> <p>Cylinder holder</p> <p>Ventilator tube support.</p> <p>Spo2 sensor for neonatal</p> |
| 56. | Oxygen tent paediatric | <ul style="list-style-type: none"> • Designed for use with premature and newborn patients experiencing respiratory distress or requiring increased oxygen concentration • Provides oxygen therapy with humidification support • Constructed entirely of transparent, optical-quality acrylic for clear visibility from all angles • Front opening for neck positioning and top hatch for access to patient and oxygen sensor • Two CO₂ release holes and two ports for installing a recirculating humidifier • Oxygen inlet nipple with internal baffle to diffuse gas and prevent direct impact on the patient • Easy and quick asepsis process for continuous and hygienic use • Compatible with standard recirculating humidifiers for air or oxygen • Made of non-toxic, non-ferrous materials • Transparent humidification bottle designed for continuous 12-hour use • Vaporization set with easily removable atomizer for sterilization and cleaning • For premature and newborn patients • Integrated mixing valve for air/oxygen ratio adjustment • Dome thermometer kit with encapsulated thermometer in protective cover |
| 57. | Phototherapy machine | <ul style="list-style-type: none"> • Flexible positioning • LED type • Intensity: 35uW/cm²/nm at 40cm or better • Display: LCD Digit Display • Irradiation timer: 1 to 99 hr. or better • Inclination angle: Freely adjustable from horizontal to vertical • Placement: Directly on the incubator /beds. • Power requirements: 220 V, 50Hz; • Accessories: Eye Cover (100 Pieces) |
| 58. | Infant Warmer | <p>Mobile infant warmer with integrated baby bassinet unit that accommodates use of resuscitation equipment for intensive care of neonate.</p> <p><u>Technical Specification:-</u></p> |

| | | |
|-----|--------------------------------|--|
| | | <ul style="list-style-type: none"> • Infant warmer system to provide controlled source of radiant heat for infant. • Temperature Control (Skin). • Temperature Adjustment: 34°C-37°C • Skin Temperature measurement: 34°C ~ 37°C, • Microprocessor controlled skin servo mode operation with digital display. • LCD display for Infant Temperature • Audible and visual alarms and automatic switch off if temperature reaches at 38°C. • Built-in examination light • Built-in air/gas driven venture suction system • Tilting large bed platform suitable for x-ray cassettes, with cassette holder. • Bed with mattress having Trendelenburg and reverse Trendelenburg position. • Accessible from all sides with acrylic collapsible side panels • Trolley with 2 Lockable castors or more. • Power Requirement: 220~V, 50Hz <p><u>Accessories</u></p> <ul style="list-style-type: none"> • Complete infant resuscitation package with mounting bracket (resuscitation module, flow meter, infant suction unit, suction regulator, suction bottle/400ml, positive pressure resuscitation, air hose, and oxygen cylinder medium size). • Skin probe reusable. • Infant face masks (Large, Medium, Small) |
| 59. | Suction Machines- Neonatal | <ul style="list-style-type: none"> • Performance : suction controlled 0-600mmHg or more (Adjustable) • Capacity : 30l/min or more • Controls : On/Off switch • Safety : positive pressure restricted • With filter. • Complete with autoclave able receiver jar 1x1000 ml or more(Autoclavable) • Suction tip: 1 No • Suction pipe length 2m, with hose. • Mobile on four antistatic castors • With the over flow safety |
| 60. | Gynea Vacume Suction apparatus | <ul style="list-style-type: none"> • To be used in fetal vacuum extraction. • Neonatal endotracheal amniotic fluid suction. • Surgical suction during operation and uterine aspiration for abortion with super suction curettes. • 2 Suction Bottles, each 2500cc or better. • Vacuum pressure 650mmHg or more • Flow capacity: 40lit/min or above. • Automatic over flow cutoff. • Foot switch. • Tray for instruments • Rubber tube 2 meter • Curettes, large, Medium, and Small • Mains input supply: 220 volts, 50Hz |

| | | |
|-----|-------------------------------|---|
| 61. | Paediatric Resuscitation unit | <ul style="list-style-type: none"> • Adjustable height (90–110 cm) • Stainless steel frame with anti-corrosive coating • 4 lockable sliding shelves/drawers • 4 swivel castors (2 lockable, non-marking) • Crash cart organization system • Includes: <ul style="list-style-type: none"> • Pediatric airway management set (masks, tubes, laryngoscope) • IV stand and medication trays • Defibrillator compartment (pediatric pads compatible) • Labeled emergency drug tray • Meets ISO/ANSI safety standards • Optional accessories: <ul style="list-style-type: none"> • Oxygen cylinder holder • ECG monitor mount • Emergency reflective labels |
| 62. | Oxygen Concentrators | <ul style="list-style-type: none"> • Micro Processor controlled. • Oxygen Flow Range: 0 to 10 liter per Minute • Noise level (<45dbA). • With filter. • With OPI (oxygen purity indicator) & Alarm at very low oxygen level. • Audio visual alarm for: Power loss, Low pressure, air leak, hardware failure, Mechanical Failure, Overheating and High Pressure. • Oxygen Percentage level: 1-10 Ltr per Minute 95%±3% or better • With Humidifier • With Connecting Pipe • Mobile on 04 Castors |
| 63. | Autoclave | <ul style="list-style-type: none"> • Minimum 8 or more sterilization cycles (Vacuumization, Heating, Sterilization, Exhaust and Drying), For (a) wrapped as well as unwrapped instruments, (b) flash sterilization, open, packed. • 5 inch or more display. • Single door, high pressure, high vacuum autoclave for sterilizing hospital, materials. • The closing, locking, and opening of the door should be automatic having motorized button-controlled door without any lever. • With Printer • Electrically operated with inbuilt electric steam generator • System should be operated with a high vacuum pump. • Chamber should be made of stainless steel or better material. • Water level indicator • Internal Chamber Capacity: 100 liters or more • Sterilization Temperature Range: 121°C to 134°C or more • Maximum Chamber pressure: 2 bar or more • Chamber Temperature and pressure gauges/display • Cycles run countdown function. • Autoclave should be properly equipped with door safety locks & safety valves for chamber. |

| | | |
|-----|------------------------------------|---|
| | | <ul style="list-style-type: none"> • With integral alarm system when temperature set-points are exceeded or fallen below. • With Pressure safety valve, over-temperature limiter, over pressure limiter • Low water protection with audio visual indicator • Autoclave should execute Vacuum test, Bowie & Dick test or more. • Should be supplied with compatible RO plant, with imported parts. • Accessories: Basket 02 Nos Trays 10 Nos <p>All necessary work including plumbing and electrical work will have to be done by the supplier. The hospital will only provide space and water outlet.</p> |
| 64. | Electro Mechanical operation table | <p>General Design:</p> <ul style="list-style-type: none"> • The tabletop should be 100% radiolucent material & X-Ray access. • 5 sections table plate • Load capacity should be no less than 200kg • The table should be water-proof and anti-static material and can be washed by water directly. • The thickness of the mattress should be 50mm or more • It should have a battery inside the table, which can work 40-80 operations and the battery should be standard configuration. • It should have electric longitudinal shift function not less than 200mm towards foot side. • The rails and the column of the table should be made of high level of aluminum alloy. • Length of the table: 2000 mm or better • Width of the table with rails: 540 mm or better • The thickness of mattress: 50mm or better <p>Electric Function:</p> <ul style="list-style-type: none"> • The lowest position: 680 mm or better • The highest position: 1030 mm or better • Longitudinal shift: 200 mm or better • Lateral Turn left: 15° or better • Lateral Turn right: 15° or better • Trendelenburg position: 25° or better • Reverse Trendelenburg position: 25° or better • Back plate up position: 70° or better • Back plate down position: 40° or better • Flex position: 220° or better • Re-flex position: 90° or better • Build-in elevator: 120 mm or better • Leg plate up: 15° or better • Leg plate down: 90° or better • Leg plates spread: 180° or better • Battery operated and all positions and angles must be controlled with remote. • Head plate up: 30° or better(manual movement) • Head plate down: 45° or better(manual movement) <p>Standard Accessories:</p> |

| | | |
|-----|------------------------------------|--|
| | | <ul style="list-style-type: none"> • Mattress set, Pair of arm rest with quick dis-connectable clamps. • Adjustable head rest. • Pair of shoulder supports. • Lithotomy pole with universal swivel clamps. • Anesthesia frame 1 Nos • Infusion rod 1 Nos • Footrests 2 Nos. • Side supports 2 Nos <p>Note: $\pm 10\%$ of degrees and measurement's will not be considered as deviation.</p> |
| 65. | Craniotomy set with Electric drill | <ul style="list-style-type: none"> • High Speed Electrical Drill system • Variable speed setting with maximum speed of 80,000 rpm or more • Should have touch screen display panel • Console to allow visible display and setting of maximum speed limit, motor type, maximum rpm and current rpm level • Should have customizable settings like Acceleration and stopping characteristics • Should have pedal foot control for varying the speed and forward & reverse rotation • System should give audible beeps / alerts while in reverse action • No inline Lubrication should be required to run the motor • Should have integrated irrigation pump to allow precise adjustments of the pump flow • Irrigation spray nozzle should be supplied with all hand piece attachments • Should have provision to use various saw system • Should have one click locking system • A perforated sterilization basket of SS should be supplied, with permanent Germ Barrier filter with 5000 life cycles, basket should have racks to hold the cables, motor and various hand pieces • Attachments should have tapered design for better visibility under microscope • The design should be ergonomic with ease of use in confined spaces like transsphenoidal pituitary and minimally invasive spine surgery • System should have quick connect and lockable attachment system • Torque should be (2-80) Ncm • ccessories: • Perforator set: |

| | | |
|--|--|---|
| | | <ul style="list-style-type: none"> • Should have a perforator driver with • Hudson Chuck system • Disposable cranial perforators for adult and paediatric sizes (10 each) • OR Reusable 1 no to be supplied • Craniotomy set: • Should have footed attachments • (dural guard) for craniotomy in • paediatric and adult sizes (one each) • Corresponding craniotomy drill bits • should be supplied, Adult (30 Nos) & • paediatric: (30 Nos) • Osteotomy saw set: • Should be supplied saw system with • oscillating and reciprocating • attachments necessary to perform • cranial osteotomies for skull base, <ul style="list-style-type: none"> • orbital and neuro-spinal surgeries • It should also have tools to harvest • bone grafts from ribs or iliac crest • Oscillating and reciprocating blades • (10 disposable each or 1 reusable • each) to be supplied • Suture hole: • Should be supplied with necessary • attachment to make small suture • holes in craniotomy flaps and spinal • laminae • The corresponding suture hole tool to • be supplied in 10 No.s • Burr system: • Should have long $\pm(1)13$ to 15cm and short $\pm(1)$ • 8 to 10cm straight attachments – one each • with corresponding cutting burrs of • 2mm, 4mm and 6mm heads – 20 each • With corresponding diamond burrs of • 2mm, 3mm and 5mm – 10 each • Should have angled long approx 13 to 17 • cm $\pm(1)$ and short (approx 10 to 13cm \pm • attachments of less than 5mm • (± 0.5mm) outer thickness for use in • transsphenoidal, transoral, microspinal • and endoscopic surgeries (preferably of • variable length) – one each • with corresponding cutting burrs of • 1mm, 2mm and 4mm (± 0.5mm) heads – • 10 each |
|--|--|---|

| | | |
|-----|---|--|
| | | <ul style="list-style-type: none"> • With corresponding diamond burrs of • 1mm, 2mm and 4mm (± 0.5mm) – 10 • each • Steel Cutter: • Should have universal cutter system |
| 66. | Syringe pump | <ul style="list-style-type: none"> • Power requirements: AC: 100-240V; 50Hz • Syringe size: 5ml, 10ml, 20ml, 30ml, 50/60ml • Increment: 0.01ml/h • Modes: Volume Weight and rate/Dose rate • Delivery / Flow rate: 0.1-999.9ml/h • Volume range 1-9999ml • Occlusion Pressure: Adjustable • Full alarm system • Occlusion detection capability. • Built-in battery backup: 2 hours or better • Water-Proof Grade: IPX4 or Equivalent |
| 67. | Operating table accessories, orthopedic extension | <p>General Design</p> <ul style="list-style-type: none"> • Stable base construction with four castors for easy movement. • Manual base brake, lateral tilt and Trendelenburg adjusted by hand crank or by Gas Spring Control, base cover, side rails, accessories & clamps made of stainless steel. • Table Top • Divided into 5 sections including head plate, back plate, seat plate and split leg plates. Table top elevation controlled by hydraulic system, with sliding table top 30 cm or more for unrestricted image intensifier access with 360-degree rotation. With side rails for the insertion of X-Ray cassettes (must equipped with acrylic sheet plates for X-ray radiography). • Length: 190-200 cm or better • Width: 50 cm or better • Height: 75-95 cm or better • Trendelenburg / Reverse Trendelenburg: $+20^{\circ}/-20^{\circ}$ each • Lateral Tilt Left/Right: $20^{\circ}/20^{\circ}$ each • Head plate: $+40^{\circ}/-40^{\circ}$ <p>Standard Accessories:</p> <ul style="list-style-type: none"> • Mattress set. Pair of arm rest with quick dis-connectable clamps. • Designed for easy installation and removal. • Adjustable head rest. Pair of shoulder supports. • Lithotomy pole with universal swivel clamps. • Anesthesia frame 1 each • Infusion rod 1 each • Foot rests 2 each • Side supports 2 each • With inbuilt Kidney Elevator Facility. <p><u>Attachment:</u></p> <ul style="list-style-type: none"> • Traction stopper with mattresses. • Castor with break device |

| | | |
|-----|--------------|---|
| | | <ul style="list-style-type: none"> • Vertical evaluator lock handle. • Traction crank • Reaction foot boot. • The tractor range is 200 mm and elevation range 200 mm. <p>Note: $\pm 10\%$ of degrees and measurement's will not be considered as deviation.</p> <p>Note: Bidders must quote the OT table and Ortho traction attachment prices separately.</p> |
| 68. | Spirometer | <p>Examination of pulmonary system and to measure & display lung function parameters and must meet ATS/ERS standards</p> <p>It should be able to measure /do the following.</p> <ul style="list-style-type: none"> • Spirometer & Flow Volume parameter • Maximum Ventilation Volume • Pre & post Broncho – dilator comparison • Lung Volumes & Sub – divisions • Feasibility of real time Flow/volume loop and volume/time curve with Pre/Post comparison. • Broncho Provocation Test. • Should incorporate Electronic Barometer & temperature • Overlaying of previous test curves for comparison. • The unit have 7" or better LCD/TFT screen to display real time relevant information and also have a thermal printer. • Rechargeable battery backup time at least 2 hours • Flow meter Bi-directional digital flow sensor (flow: up to 15L/s or more, accuracy: within 3%) • Dynamic Resistance : less than 1 cmH₂O /L/Sec. • Parameters should be measured with highest accuracy & reproducibility and accuracy should be least, if at all affected with High surrounding Temperature and humidity levels. • Pulmonary Filters (100 Nos), • Disposable Mouthpieces (500 Nos) • Facility to interface with computer desktop / Laptop to transfer data for analysis. <p><u>Computer Desktop/ laptop (branded)</u></p> <ul style="list-style-type: none"> • CPU Core i 5 Processor: 3.2 GHz. Or better • Bit Processing: 32 Bits. • RAM: 4GB. • Graphic card latest technology • Hard disk 1TB. • DVD writer. • LED Monitor: 19 inch or better • Key board. • Mouse etc. • With associated software. • Printer: laser printer • Input power 220VAC, 50Hz |
| 69. | Dental X-Ray | <ul style="list-style-type: none"> • Dental radiographic unit. • Current: 7mA intra-oral x-ray system or better. • Focal Spot: 0.7 or less • Maximum voltage: 70 KV or better. |

| | | |
|-----|------------------------------|---|
| | | <ul style="list-style-type: none"> • With imported mobile stand from the same manufacturer • The Unit shall be mounted on a stand having 360° horizontal rotation. • Also, the multiplex arm has a variety of vertical movements. • Mobile on castors. • Digital dental X-ray sensor, Computer Desktop/ laptop with 17-inch monitors LCD/TFT and DVD/CD writer (optional price quoted separately) • Sensor with minimum 3 m cable or as per manufacturer connects with computer system via USB port. • Sensor (adult and child), Fully waterproof, CMOS technology, • Pixel size 20 microns or better • Active area 20X30 mm or better <p>Software for viewing image have post processing tools zoom, rotate, contrast adjustment etc.</p> |
| 70. | CPAP | <p>Technical Specifications:</p> <ul style="list-style-type: none"> • Maximum Adjustable output flow: 15 L/min or more • Oxygen flow capability: 10 L/min or more • Air flow capability: 10 L/min or more • Built in Oxygen concentration: 21% - 95% • Built in Air compressor • Pressure: 1 - 10cm H₂O or more • Working noise: Not more than 55dB • Humidification: Yes • Alarms: Power failure, high & low pressure, No Flow and low oxygen concentration • Power: 220-240 VAC, 50 Hz <p>Unit Supplied With</p> <ul style="list-style-type: none"> • Different sizes Neonate bonnet x 4 • Different sizes Silicone nasal prongs x 4 • Inspiratory/Expiratory tubing x 4 • Ram Cannula (Standard Sizes) with oxygen adapter. |
| 71. | BIPAP | <ul style="list-style-type: none"> • Device should have CPAP, BILEVEL S, BILEVEL T, B BILEVEL ST modes. • Once the patient stops breathing the device should automatically switches into the T-mode and provides respiration for the patient in the prescribed safety frequency. • The device should have Alarm indicators. • High maximum pressure 25 hPa./cmH₂O equivalent • Average noise level should be less than 30dB. • With humidifier. • Advanced data management with SD card/internal storage • Simple handling. • Easy to replace filter |
| 72. | Delivery table (Labour Room) | <ul style="list-style-type: none"> • Couch top made of 3 sections i.e. back, hip, and leg sections covered with mattress having raxine cover. • Leg section removable • Up/down movement through hydraulic system. • Back seat adjustment through handles. • Removable receptacle under the hip area. • Lithotomy poles with tying strips. • Hand grips on both the sides. |

| | | |
|-----|---|--|
| | | <ul style="list-style-type: none"> • Mobile on castors. • Load bearing capacity 200kg or more. |
| | Medical And Office Furniture Category C | |
| 73. | Drip stands | <ul style="list-style-type: none"> • Heavy Weight base mobile on 50 mm dia castors • Powder coated base and column with telescope adjustment. • 4 ports I/V rod of wire diameter 0.5 mm. |
| 74. | Manual Bed with side table/locker, over bed trolley | <p><u>Bed:</u></p> <ul style="list-style-type: none"> • Over all dimension (LxWxH) 195cmx 85cmx55cm (±10) • Four section beds with all welded enameled mainframe constructed from rectangular section steel tube of 16SWG steel sheets. • Adjustable back rest and leg section by means of two independent cranks with square threads pitch revolving in steel nuts by means of rectangular handle, the cranks have safety features when reach maximum position. • Removable bed ends fitted with 10mm laminated plastic/backlite panels. • Platform fitted with epoxy painted steel bars of 18SWG steel. • The bed is mounted on double ball bearing, swivel castors of non-tin and weather proof rubber. Two fixed at head end and two swiveling with independent breaks at foot end. • Rubber bumpers at all four corners • Four Mattress holders (2 at each side) • With I V pole. • Structure of the platform shall be smooth and seamless. • Platform shall not contain cavities in order to avoid hideouts/safe areas for germs. • All the corners of the platform shall be round and smooth. • All the joints shall be made smooth. • Polyester powder coated finishing. <p><u>Bed side Locker:</u></p> <ul style="list-style-type: none"> • Overall size of locker 40cm width, 40cm depth, 80cm height. • Made up of SS 18 SWG. • Top made of CP galvanized steel sheet, • One drawer. One cabinet with space between the drawer and cabinet. • Base made of 1" round/square pipe. • FINISH: Polyester powder coated finishing <p><u>Over Bed Table:</u></p> <ul style="list-style-type: none"> • Top made of Stainless steel. • 100cm, 100cm, 40cm • Mobile on four castors. <p><u>Side Railing:</u></p> <ul style="list-style-type: none"> • Adjustable length allows for use at bed rail to prevent falling out of bed. <p>Collapsible in 2 steps, Height of Rail 18" (high from the point of fixing on the structure of bed).</p> |

| | | |
|-----|----------------------------------|--|
| 75. | Wheel Chair | <ul style="list-style-type: none"> • Non folding wheel chair, • 2 big wheels and 2 small wheels • Should have footrest/ Foot support. • With safety belt. • Should have backrest/ Lumber support. • Comfortably cushioned seat width 38 x 43cm, waterproof covered. |
| 76. | Stretcher | <ul style="list-style-type: none"> • Lenth: 6 ft or more • Width: 2 ft or more • Made of stainless steel. • 4 rubber castors having 23 cm dia. • Castors should Lockable • Top made of stainless steel |
| 77. | Instrument Trolley | <ul style="list-style-type: none"> • Frame constructed of stainless-steel hollow pipe, • Complete with two Stainless steel trays having open space between it. • Both trays provided with reinforcement as sideguards for safety. • Mobile on 50mm dia, twin wheels. • Size(60x90)cm |
| 78. | Dental Operating stool | <ul style="list-style-type: none"> • Pneumatic height adjustment (20"–28") • 360° swivel rotation • Anti-microbial vinyl covering • Pulled seat design prevents upper leg impingement • Hard free-wheeling castor wheels for smooth movement • Optional footrest ring (available with or without) • Adjustable height range: 20"–28" • Seat pad diameter: 14" |
| 79. | Gynae examination Couch | <ul style="list-style-type: none"> • Couch top made in 3 sections. • Leg section removable. • Backrest adjustable with friction clutch • With hand grips on both the sides. • Cushioned with Rexene and foam mattress. • Sliding stainless steel receptacle mounted under the hip area. • Complete with pair of Lithotomy poles and tying strips. |
| 80. | Examination Couch with foot step | <ul style="list-style-type: none"> • Frame to be one piece welded mild steel powdercoated. • Headrest to have step less angle adjustment from horizontal to 75° • 2" Mattress of 2.5 lbs./cft density with water proof sterilize able cover. • Paper roll holder to be fitted at head end and suitable for paper rolls up to 510mm wide. • Size Approx. 2000mm x 500mm with standard height. <p>Foot Step</p> <ul style="list-style-type: none"> • Mild steel frame made of hollow pipe diameter 1" Shaped for two steps. • Front and rear legs provided with steel bars. • Wooden step duly covered with rubber mat and sides dressed in |

| | | |
|-----|-------------------------------|--|
| | | aluminum/strip/Rubber. |
| 81. | Stands for Dressing | <ul style="list-style-type: none"> • Must of Good Quality stainless steel with standard size. |
| 82. | Patient Screen/Folding Screen | <ul style="list-style-type: none"> • Frame in four parts constructed from fully plastic-coated M.S. hollow tubular pipe 1” dia. • All frames fixed together with Steel universal joints for easy movement of each part. • Curtains fitted with spring loaded rods, • Mobile on eight, castors of 75 mm dia. • Curtain of wash and wear polyester cloth/ plastic cloth in variety of colors. |
| 83. | Scrub sink | <ul style="list-style-type: none"> • Full stainless steel construction • Rounded interior corners for easy cleaning • Thermostatic mixing valve for precise temperature control • Hands-free infrared gooseneck faucet • Integrated infrared soap dispenser • Dimensions: 810 × 580 × 1210mm (L×W×H) • Wall-mounted or freestanding installation • Corrosion-resistant finish • ADA-compliant options available |
| 84. | Slop Hopper | <ul style="list-style-type: none"> • Grade 304 (18/10) Stainless Steel 1,2mm. • Hygienic and durable. • Stainless Steel hinged bucket grid. |
| 85. | Clinical Sink | <ul style="list-style-type: none"> • Vitreous china • Wall-hung • Flushing rim • Blow-out flushing action 1-1/2" brass top spud |
| 86. | Office tables | <ul style="list-style-type: none"> • 03 drawers, dark furniture taupe, reclaimed wood look, hollow core desk. • Size: width 60 inches/ dimension : 30 inch, / height : 31 inch. Frame 1"x1". 16 gauge. · Color : furniture colour: lassani lamination & Silver frame. |
| 87. | Officer Chairs | <ul style="list-style-type: none"> • Nylon Mesh back • Height adjustable padded arms • Vertically and horizontally adjustable lumbar integrated into the frame • Scuff resistant 5-star “base” • Seat height and back angle adjustments • 10-year limited warranty In addition to its clean lines, features a synchronous knee-tilt mechanism that free floats or locks in the upright position. • Soft padded arms and lumbar support further enhance comfort. |

| | | |
|-----|-------------------------------------|---|
| | | <ul style="list-style-type: none"> The unique lumbar pad can be easily adjusted vertically and horizontally from a seated position. Seat: 20 1/2"w x 19 1/2"d <p>Back: 20"w x 20"h Seat Height: 17" - 22"</p> |
| 88. | Wooden File Racks | <ul style="list-style-type: none"> Width: 36" Height: 68" Depth: 12" <p>Material: MDF Lamination Sheet</p> |
| 89. | Four-Seater Chairs | <ul style="list-style-type: none"> Type: 4-seater bench Frame: Heavy-duty steel or powder-coated metal Finish: Chrome-plated or rust-resistant coating Seats: Molded plastic, metal, or upholstered cushion Seat Upholstery: Fabric, leatherette, or vinyl (optional) Legs & Arms: Cold rolled steel or stainless steel Seating Capacity: 4 persons Dimensions (approx.): L 2400 mm × W 600 mm × H 800 mm or better Design: Ergonomic and easy to clean Features: Anti-slip feet, back support |
| 90. | Eclampsia bed with railing for baby | <p style="text-align: center;">Technical Specifications</p> <ul style="list-style-type: none"> Overall Dimensions: Approx. 2000 mm (L) × 900 mm (W) × 600–750 mm (H) Frame Material: Mild steel, powder-coated or stainless steel construction Top Section: Two-section design with manually adjustable backrest (up to 70°) Baby Railing/Cradle: <ul style="list-style-type: none"> Attached or detachable side cradle/railing Size approx. 600 mm × 400 mm × 200 mm Stainless steel or ABS; easy to clean and disinfect Side Rails: Collapsible or foldable patient-side safety rails Wheels: Four swivel castors, minimum two with locking mechanism Accessories: Provision for IV pole and urine bag hook Mattress: Water-resistant, high-density foam with washable cover Mobility & Safety: Designed for easy patient access and transfer, with smooth-rolling castors Compliance: Conforms to standard hospital hygiene and safety norms. |
| | Hospital Linen | |
| 91. | Bedsheet | <ul style="list-style-type: none"> Size: 60x100" Quality: 60x60 / 16x16 GSM 170, Nature of Dye Hydro Bleach, Color: White (100% Cotton) |

| | | |
|------|---|---|
| 92. | Pillow with cover | <ul style="list-style-type: none"> • (Polyester) Quality Fiber Ball Material, Weight 1000Grm. • (100% Cotton) Cover 6" Fold from one side Sizes 20"x30", Quality 60x60/16x16, Dye Hydro Bleach, Color White |
| 93. | OT Towel (large and small) | <ul style="list-style-type: none"> • Small Size 39" x 58", 185 GSM or better Color Green, 100% Cotton. • Large Size 60" x 70", 185 GSM or better Color Green, 100% Cotton. |
| 94. | Table cloth | <ul style="list-style-type: none"> • Standard Size 60" x 70", 230-300 GSM • Color Green |
| 95. | Blanket | <ul style="list-style-type: none"> • 100% Polyester Size 60"x90", stich with magzi all side, Color Camel / Red, weight 3kg |
| 96. | Dusting cloth | <ul style="list-style-type: none"> • Standard Size 18" x 24" • Good Quality, 100% cotton, 140 GSM or better • Any Color as per Requirement |
| 97. | Overcoat | <ul style="list-style-type: none"> • As per sample approved Lab Assistant Coat, Dark Room Assistant Coat, Radiographer Technician Coat, Dispenser Coat, CT Scan Technician Coat, Dental Technician Coat, Store Keeper Coat, Telephone Operator Coat |
| 98. | Staff Uniform | <ul style="list-style-type: none"> • Aya / Khala Suit (Shalwar Qameez with Dopatta) as per sample approved • Nurse Suit with Nurse Coat (Shalwar Qameez with Dopatta) as per sample approved. • Attendant Dress As per Sample Approved • OT Attendant, M.S Office Attendant, Doctors Attendent Lab Attendent, Stretcher Bearer, Ward Sarvants, Ward Boy. <p>Note: Color Selection will be as per hospital requirement.</p> |
| | <p style="text-align: center;">Instrument & Instrument Sets</p> <p style="text-align: center;">Category C</p> | |
| 99. | SS urinal/bed pans | <ul style="list-style-type: none"> • Hospital quality bed pan • Smooth contoured comfortable edges • Autoclave able |
| 100. | Laryngoscope with 4 blades (Adult & Peds) | <ol style="list-style-type: none"> 1. LARYNGOSCOPE (PEADS AND ADULT) 2. Macintosh type 3. Blade set of 4 4. Blade Sizes 1, 2, 3, 4, 5. SS/ corrosion free Blades. 6. Dry Battery handle. 7. Blades of stainless steel with integral light carrier 8. Fiber optic light carrier 9. LED illumination of light source 10. Complete with batteries and carrying case. |
| 101. | Surgical Instrument set | |

| | | |
|------|-------------------------|---|
| 102. | Dressing Set for Ward | 1. Dressing scissors(Plastic Handle) 01 2. Stitch Scissors fine 02 3. No Toothed Forceps. 01 4. Toothed Forceps. 01 5. Artery forceps. 01 6. Suture forceps. 01 7. Small Kidney Tray. 01 8. Bowl 01 9. Kocher Forceps 01 10. Along with Container |
| 103. | Dental Instruments Sets | <p>INSTRUMENT SET DENTAL SURGERY</p> <p>Basic instrument set for use in the dental surgery room.</p> Probe single ended perio CPTN 04 Spatula double ended No 8 02 Spatula double ended No 3 02 Spatula double ended 8 x Alginate/Plaster metal Curved 02 Instrument for plastics 04 Excavator double ended 127/128 04 Excavator double ended 131/132 04 Forceps tissue tweezer type College Fig 8 plain 06 Carver Ward 2 02 Scaler balanced grip H4 02 Scaler balanced grip H5 02 Scaler balanced grip H7 Scaler balanced grip H902 Scaler balanced grip Towner U1502 Scaler balanced grip Jaquette 202 Scaler balanced grip Jaquette 302 Scaler balanced grip H6/702 Scaler Octagonal H402 Scaler Octagonal H502 |

| | | |
|--|--|--|
| | | Scaler Octagonal H602 |
| | | Scaler Octagonal H802 |
| | | Scaler Octagonal H902 |
| | | Scaler Octagonal TownerU1502 |
| | | Scaler Octagonal Jaquette 202 |
| | | Scaler Octagonal Jaquette 302 |
| | | Scaler Gracey Curette double ended ½02 |
| | | Scaler Gracey Curette double ended ¾02 |
| | | Scaler Gracey Curette double ended 5/602 |
| | | Scaler Gracey Curette double ended 9/1002 |
| | | Scaler Gracey Curette double ended 13/1402 |
| | | Scaler MacFarlane Balanced Tip MFO/102 |
| | | Scaler MacFarlane Balanced Tip MF2/302 |
| | | Scaler MacFarlane Balanced Tip MF4/502 |
| | | Burnisher DE AM (W) 102 |
| | | Burnisher DE AM (W) 1L02 |
| | | Amalgam Plugger Blacks 0/102 |
| | | Amalgam Plugger Blacks 1/202 |
| | | Elevator Apical Straight02 |
| | | Elevator Apical Left02 |
| | | Elevator Apical Right02 |
| | | Elevator Coupland 102 |
| | | Elevator Coupland 202 |
| | | Elevator Coupland 302 |
| | | Elevator Warwick James Straight02 |
| | | Elevator Warwick James Left02 |
| | | Elevator Warwick James Right02 |
| | | Elevator Cryer 30 left02 |

| | | |
|--|--|--|
| | | <p>Elevator Cryer 31 right02</p> <p>Forceps Artery Spencer Wells 5" straight02</p> <p>Forceps Artery Spencer Wells 5" curved02</p> <p>Forceps Mosquito 5" straight02</p> <p>Forceps Extraction Upper Incisor02</p> <p>Forceps Extraction Upper Molars Right02</p> <p>Forceps Extraction Upper Molars Left02</p> <p>Forceps Extraction Lower Molars02</p> <p>Forceps Extraction Lower Roots02</p> <p>Forceps Extraction Small Lower Roots02</p> <p>Forceps Extraction Lower Premolars02</p> <p>Forceps Extraction Upper Roots02</p> <p>Forceps Extraction Childrens Lower Teeth02</p> <p>Forceps Extraction Childrens Lower Molars/General02</p> <p>Forceps Extraction Childrens Upper Incisors/Canines02</p> <p>Forceps Extraction Childrens Upper Molars02</p> <p>Forceps Extraction Childrens Upper General02</p> <p>Amalgam Plugger Blacks 0/104</p> <p>Luxation Kit</p> <p>Ceramicolor Probe No 606</p> <p>Margin Trimmer 15-1103</p> <p>Placer Calcium Hydroxide 15-9004</p> <p>Gingival Cord Packer Yardley 15-66-603</p> <p>Root Canal Spreader Heat Carrier Anterior02</p> <p>Root Canal Spreader Heat Carrier Posterior02</p> <p>Periosteal Elevator Prichard02</p> <p>Periosteal Elevator Molt02</p> <p>Periosteal Elevator Fine02</p> |
|--|--|--|

| | | |
|------|----------------------------|--|
| | | Periosteal Elevator Howard02 Forceps Tissue Sempkin-Taylor Straighy 12.5cm02 Retractor tissue Austin02 Retractor Tongue and Cheek University of Minnesota02 Needle Holder Mayo Hegar 16cm02 Forceps Halsted Mosquito Curved 12cm02 Forceps Halsted Mosquito Straight 12cm02 Tray Dental Instrument Unperforated 28 x 18 cm06 Mirror Handles Round Stainless Steel 10 Mirror Heads No 4 plane (12)06 Explorer single Ended EXS 602 Explorer Single Ended EXS 6A02 Matrix System Intro01 Scissors Straight 5" Sharp/Sharp02 Scissors Straight Crown Bee Bee No 1202 Scissors Curvedt Crown Bee Bee No 902 Syringe Dental Cartridge S/S 2.2 ml02 Amalgam Carrier 5X Hampel Complete 02 Mortar & Pestle Glass 2 " Dia.02 Dappen Dish Glass Clear06 Glass slab 02 Spatula mixing filling material02 Mixing Pad reusable02 |
| 104. | Root Canal Instruments set | 01. Endodontic Explorer 02 02. Barbed Broaches Assorted Sizes 10 03. K-Files Stainless Steel Assorted Sizes 15 |

| | | |
|------|------------------------------------|--|
| | | 04. H-Files Stainless Steel Assorted Sizes 15 05. Reamers Stainless Steel Assorted Sizes 10 06. Gates Glidden Drills (Size 1–6) 06 07. Peeso Reamers (Size 1–6) 06 08. Root Canal Pluggers 04 09. Root Canal Spreaders 04 10. Gutta Percha Points Assorted 100 11. Paper Points Assorted 100 12. Rubber Stops 01 pack 13. Endo Measuring Block 01 14. Endo Ruler/Gauge 01 15. Endo Ring with Ruler 01 16. Endodontic Spoon Excavator 02 17. Gutta Percha Cutting Knife 01 18. Endo Syringe with Needles 02 19. Irrigation Needles 10 20. Endodontic Tweezer 01 21. Absorbent Paper Point Dispenser 01 22. Gutta Percha Dispenser 01 23. Rotary Files NiTi Assorted Sizes 06 24. Endodontic Handpiece (optional) 01 |
| 105. | Instrument tray/Kidney tray/Bowls | <ul style="list-style-type: none"> • Medium and Large • Medical Grade Stainless Steel • Reusable • Auto clavable and ergonomic in design. • Should be Anti-Corrosive |
| 106. | Laryngoscope adult Miller & curved | 1. Miller type 2. Blade set of 4 3. Blade Sizes 1, 2, 3, 4, 4. SS/ corrosion free Blades. 5. Dry Battery handle. 6. Blades of stainless steel with integral light 7. carrier 8. Fiber optic light carrier |

| | | |
|------|---------------------------------|--|
| | | 9. LED illumination of light source 10. Complete with batteries and carrying case. |
| 107. | Laryngoscope adult Macintosh | 1. Macintosh type 2. Blade set of 4 3. Blade Sizes 1, 2, 3, 4, 4. SS/ corrosion free Blades. 5. Dry Battery handle. 6. Blades of stainless steel with integral light 7. carrier 8. Fiber optic light carrier 9. LED illumination of light source 10. Complete with batteries and carrying case. |
| 108. | Sterilizing drums | 1. Secure clip-lock lid 2. Integrated carrying handle 3. Lateral steam ventilation system 4. Stainless steel 5. Smooth, corrosion-resistant surface |
| 109. | Meigle forceps | Good Quality SS material |
| 110. | General Surgery Instruments Set | 1. Foerster Sponge Forceps 3 2. Backhaus Towel Forceps 6 3. Scalpel Handle 10 4. TC-Edge Mayo Dissect. Scissors 2 5. TC-Edge Metzenbaum Scissors 1 6. Surgical Scissors 4 7. TC Universal Wire Cutting Scs. 1 8. Dissecting Forceps 8 9. Tissue Forceps 4 10. Allis Tissue Forceps 1 11. Babcock Tissue Forceps 1 12. Halstead Mosquito Forceps 12 13. Rankin-Crile Hemostatic Fcps. 12 14. Rochester-Pean Hemostatic Fcps. 1 15. Rochester-Ochsner Forceps 1 16. Richardson Retractor 3 17. Deaver Retractor 1 18. Volkmann Retractor 2 19. Cushing Vein Retractor 1 20. US Army D/E Retractor 1 21. Ribbon Retractor 2 22. Balfour Abdom. Retractor 1 23. Grooved Director 10 24. Probe with Eye 10 25. Deschamps Ligature Needle 2 26. Yankauer Suction Tube 2 27. TC Mayo Hegar Needle Holder 2 Note: |

| | | |
|------|--|---|
| | | <p>All instruments should be medical grade stainless steel, autoclavable, and ergonomic in design.</p> <p>Forceps should have precise, anatomically designed beaks for effective grip.</p> <p>Stainless steel trays should be anti-corrosive, firm, and durable.</p> <p>A complete list of instruments and sizes must be provided by the manufacturer at the time of bidding and demonstration.</p> |
| 109. | Neonatal/Pediatric Laryngoscopes Macintosh | <p>LARYNGOSCOPE (PEADS AND ADULT)</p> <ol style="list-style-type: none"> 1. Macintosh type 2. Blade set of 4 3. Blade Sizes 1, 2, 3, 4, 4. SS/ corrosion free Blades. 5. Dry Battery handle. 6. Blades of stainless steel with integral light carrier 7. Fiber optic light carrier 8. LED illumination of light source 9. Complete with batteries and carrying case |
| 110. | Neonatal/Pediatric Laryngoscopes Miller | <p>(PEADS AND ADULT)</p> <ol style="list-style-type: none"> 1. Miller type 2. Blade set of 4 3. Blade Sizes 1, 2, 3, 4, 4. SS/ corrosion free Blades. 5. Dry Battery handle. 6. Blades of stainless steel with integral light 7. carrier 8. Fiber optic light carrier 9. LED illumination of light source 10. Complete with batteries and carrying case. |
| 111. | Plain Scissors | Good Quality SS material. |
| 112. | Delivery set (each contain) | <ul style="list-style-type: none"> • Partogram for labor monitoring • Kocher Clamp: 6" (15cm), serrated jaws • Plain Scissors: 5.5-6.5", straight/blunt tip • Tooth Forceps: 5-6", 1x2 teeth design • Kidney Tray: Stainless steel, 20-25cm • Needle Holder: 7" (18cm), tungsten carbide jaws • Medium Bowl: 12-15cm diameter, stainless steel • Outlet Forceps: 8" (20cm), curved design • Macintosh Sheets: 60x90cm • Episiotomy Scissors |
| 113. | D&C set | <ol style="list-style-type: none"> 1. Metallic Uterine Sound: Stainless steel, graduated markings (25-30cm length) 2. Sim's Speculum (Medium): 95mm x 35mm, stainless steel, duckbill design. 3. DEE Sponge Holder: 25cm length and all sizes, serrated jaws, ratchet lock 4. Hegar's Dilators: Set of 8 (0-8mm sizes) all sizes, stainless steel, smooth tapered tips 5. Kidney Tray: Stainless steel, kidney-shaped (20-25cm length) |

| | | |
|------|----------------------------|---|
| | | 6. Bowls: 4" and 10" diameters, stainless steel 7. Vulsellum: 8" length, stainless steel, sharp curved tips 8. Uterine Curette (Plain): 8" length and all sizes, stainless steel, rounded tip 9. Forceps: 8" length, stainless steel, serrated jaws 10. Macintosh Sheets: Disposable, waterproof (60x90cm) 11. All instruments: Autoclavable, rust-proof stainless steel construction 12. Torch with batteries |
| 114. | Caesarean Section Set | 1. Instrument container box 10"x12" 01 2. Towel clips on pin 06 3. Sponge holding forceps 02 4. Non toothed dissecting forceps 7" 02 5. Toothed dissecting forceps 7" 01 6. BP handle No 4 02 7. Allis's forceps 9" 02 8. Kidney tray 1 litre 01 9. Artery forceps 6" curved on pin 08 10. Artery forceps 6" 04 11. straight Metzebaum scissors 9" 01 12. curved Sim's straight scissors 8" 01 13. Doyne retractors 01 14. Gallipots 150 ml 01 15. Wrigley's outlet forceps pair 02 16. Needle holder 7" 02 17. Needle holder 9" 01 18. Baby Cord clamps 02 19. Green armytage forceps 02 20. Long Artery forceps 9" straight 01 21. Long Artery forceps 9" curved 02 Torch with batteries |
| 115. | Dressing Drum (large size) | Size 12 x 18 stainless steel autoclavable |
| 116. | Basin | Best quality, good material |
| 117. | Basin stands | Best quality, good material |
| 118. | Tracheotomy set | 1. Debakey Vascular Tissue Forceps 1.5mm wide 2. Tips 8" 2 3. Freer Elevator Double Ended With Blunt Sharp 4. Blades 7 3/4" 4.5mm Wide 1 5. Knife Handle No 3 1 6. Martin Tissue Forceps 7x8 Teeth Size 7 1/2" 1 7. New Orleans Needle Holder 7" 1 8. Doyen Rib Elevator and Rasp 7" (17cm) Right 1 9. Doyen Rib Elevator and Rasp 7" (17cm) Left 1 10. Sauerbruch Rongeur 12" 1 11. Mixer Thoracic Forceps Right Angle Jaws 12. Longitudinal Serrations 11" 2 13. Kelly Hemostatic Forceps 5 1/2" Curved 12 14. Volkman Retractor 8 1/2" 4 Prongs Blunt 2 15. Matson Rib Elevator 8 3/4" (22cm) 1 |

| | | |
|------|------------------------------|--|
| | | 16. Burford Finochietto Rib Spreader Light Weight 17. Aluminum 10" Spread 1 18. Bailey Rib Contractor Standard 1 19. Allison Lung Retractor 12 3/4" 1 20. Collin Duval Lung Grasping Forceps 9" Wide 21. Jaws 1" 2 22. Debakey Multipurpose Clamp Angle 60 - 5cm 23. Jaws Size 8 1/4" 2 24. Alexander Farabeuf Periosteotome 8" (20cm) 1 25. Stille Luer Rongeur 8 1/2" Curved 10mm Double 26. Action 1 27. Ribbon Retractor Malleable 13" x 1.25" 1 28. Metzenbaum Scissors Standard Curved 7" - 29. Tungsten Carbide 1 30. Metzenbaum Scissors Standard Curved 9" - 31. Tungsten Carbide 1 32. Potts Smith Forceps Cross Serrated 9" - Tungsten 33. Carbide 1 34. Coller Crile Forceps Curved 6 1/4" 12 35. Backhaus Towel Clamp 5 1/4" 12 36. Crile Wood Needle Holder Tungsten Carbide 37. Jaws Serrated 8" 1 38. Ryder Needle Holder Serrated 10 1/4" Tungsten 39. Carbide 1 40. Mayo Hegar Needle Holder Serrated 10 1/2" 41. Tungsten Carbide 1 42. Ribbon Retractor Malleable 13" x 3/4" 1 43. Yankauer Suction Tube 20 Fr Standard Size 1 Ribbon Retractor Malleable 13" x 2.0" 1 44. Richardson Retractor Loop Handle 9 1/2" - 1" X 45. 3/4" 1 46. Richardson Retractor Loop Handle 9 1/2" - 1 1/2" 47. X 1 1/2" 1 48. Kelly Retractor Loop Handle 9 3/4" 2" X 1 1/2" 1 49. Kelly Retractor Loop Handle 9 3/4" 3" X 2 1/2" 1 50. Harrington Retractor 12" - 2 1/2" Blade 1 51. Harrington Retractor 12" - 1 1/2" Blade 1 52. Volkman Retractor 8 1/2" 6 Prongs Sharp 2 53. Note: 54. All Instruments should be Medical 55. grade stainless steel, Autoclavable and 56. ergonomic in design. 57. Forceps should have precise, 58. anatomically designed beaks for a sure, 59. effective grip. 60. Stainless Steel trays, should be Anti Corrosive, 61. Firm, Durable Medical Grade Steel. 62. List of instruments and sizes of all 63. instruments should be provided by 64. manufacturer at the time of bidding and 65. as well as at the time of demonstration. |
| 119. | Minor Surgical Procedure Set | 1. Towel Clips 02 2. BP Handle 02 3. BP Blades 10 |

| | | |
|------|----------------------------|---|
| | | 4. Dissecting Forceps (Plain) 02 5. Needle Holder (Large size) 02 6. Sponge Holder Forceps (Large) 02 7. Skin Retractor (Small size) 02 8. Metallic Catheter (1–12) 01 set 9. Dilator Complete Set 01 set 10. Surgical Scissors (Various sizes) 04 11. Proctoscope 01 12. Thames Splint V.S 02 13. Scalpels 6” 02 14. Allis Forceps Long 02 15. Allis Forceps 6 inches 02 16. Chaetal Sterilize Forceps 10” long 02 17. Introducer for Catheter 01 18. Smith Homeostatic Forceps Curved 02 19. Arm Splint (Different sizes) 02 20. Instrument Cabinet 01 21. Spotlight 01 |
| | Category D | |
| 120. | DLC Counter | <ul style="list-style-type: none"> Digital cell counter for DLC & total counts Supports blood smears, cultured cells, body fluids 40x and 100x (oil immersion) magnification 5MP-12MP high-resolution CMOS camera Automated WBC differential counting (5-part) Optional RBC and platelet counting AI-powered cell recognition and classification <1 minute processing time per sample Compatible with common stains (Giemsa, Wright's) Touchscreen interface with intuitive software Stores results with sample ID tracking Exports data in CSV/PDF formats Connects via USB/Wi-Fi/Ethernet LIMS integration capability Compact benchtop design (30x20cm approx.) AC powered with battery backup option Includes auto-focus and calibration features Barcode scanner support for sample tracking Meets CLSI accuracy standards ($\pm 5\%$ variance) <p>Optional printer connectivity for reports</p> |
| 121. | Blood grouping Viewing Box | <ul style="list-style-type: none"> Powder-coated MS body 220V/50Hz operation 45-50°C viewing area temp Heats slides to 37-39°C in 2 mins Digital temp display ($\pm 2^\circ\text{C}$ accuracy) Glare-free fluorescent lighting Rocking knob for gentle agitation Compact 19.5×7×7.5 inch size |

| | | |
|------|---|---|
| | | <ul style="list-style-type: none"> • AABB compliant • Includes power cord • Easy-clean surface • Transport-safe packaging |
| 122. | Digital Weighing Machine | <ul style="list-style-type: none"> • Sleek design • Large LCD display for easy reading • Auto on/off functionality for convenience • Maximum capacity of 150 kg, suitable for all users • Batteries included • Units conversion between kg and lb |
| 123. | Weight machine children | <ul style="list-style-type: none"> • Scales to be highly accurate and stable. • Splash proof key board. • Removable baby weighing pan. • Automatic hold, slow and tare controls. • Capacity: 0 kg to 20 kg or better. |
| 124. | Bench | <ul style="list-style-type: none"> • 3-seater chairs (Steel) fixed / removable. • With seating area approximately 51 cm x 50 cm. • With silver enameled finished. • The structure may be able to be fixed on the floor / replaceable. • Imported, Good Quality. • Minimum weight of OPD chair must be 30 kg or better. |
| 125. | Weight Machine Height Measuring Scale | <ul style="list-style-type: none"> • Scale to have low level platform finished with non- slip cover, measuring Dial to be fitted at waist height steel yard arm. • Capacity: 0 kg -150kg or better. Fitted with imperial and metric height measuring rod. |
| 126. | Oxygen cylinder with trolley | <ul style="list-style-type: none"> • The cylinder must be brand new standard quality. • 240 CFT And 48 CFT. • During sample evaluation the bidder must provide the evidence that the sample provided is from the same manufacture whose authorization is attached with submitted bid. • BOC/Equivalent testing certificate must be provided With Compatible trolley |
| 127. | Oxygen flow meter with humidifier, Oxygen masks all sizes | <ul style="list-style-type: none"> • Direct fitted to the Outlet BOC/Equivalent, included with the Humidifier. • Nickel-plated brass base and body • Clear shroud • Expanded lower scale 0-10Lpm • Oxygen masks |
| 128. | X-ray illuminator double wall type | <ul style="list-style-type: none"> • X-Ray Film Viewer with following features. • Table Top • Housing made of epoxy-coated steel. • Viewing area for two 14"x17" film. • Light intensity more than 6000 Lux or more. • With light intensity control. • Suitable for wall mounted and table use. |

| | | |
|------|------------------|--|
| | | <ul style="list-style-type: none"> • Film clamps and hooks for holding wet films. • Power requirements 220V,50Hz |
| 129. | Desktop computer | <ul style="list-style-type: none"> • Processor: Intel Core i5 13th Generation or latest • Graphics: Integrated Intel UHD Graphics • Chipset: Intel SoC Platform • Memory: 1× 8GB SO-DIMM DDR5-5200 • Memory Slots: Two DDR5 SO-DIMM slots, dual-channel capable • Maximum Memory: Up to 32GB DDR5-5200 • Storage: 512GB SSD or better • Maximum Storage Support: <ul style="list-style-type: none"> ◦ Up to three drives: <ul style="list-style-type: none"> ▪ 1× 3.5" HDD (for customer self-upgrade only) ▪ 2× M.2 SSD (up to 1TB each) • Audio Chip: High Definition (HD) Audio, • Power Supply <ul style="list-style-type: none"> • Keyboard: USB Calliope Keyboard, Black, English (UK) • Mouse: USB Calliope Mouse, Black • WLAN + Bluetooth: Wi-Fi 6 or latest • Ethernet: Integrated 100/1000M or better <p>Ports:</p> <ul style="list-style-type: none"> • 2× USB-A (USB 5Gbps / USB 3.2 Gen 1), • 2× USB-A (Hi-Speed USB / USB 2.0) • 1× HDMI 2.1 TMDS • 1× VGA • 1× Ethernet (RJ-45) • 1× Audio-out (3.5mm) • 1× Power connector <p>Note: Computer should be supplied with compatible with minimum 15 minutes back up.</p> <p>Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items.</p> |
| 130. | Ophthalmoscope | <ul style="list-style-type: none"> • LED type • Rechargeable Handle • Carrying Case • Battery operated |
| 131. | Auroscopes | <ul style="list-style-type: none"> • LED auroscope • 3x magnification • Specula sizes: 2.5mm, 4mm, 5mm • Rechargeable battery |

| | | |
|------|-------------------------------|--|
| | | <ul style="list-style-type: none"> • Medical-grade ABS/metal • Lightweight & ergonomic • Autoclavable |
| 132. | Suction Pump (Manual) | <ul style="list-style-type: none"> • 250 mL canister with cap (adult use) • 50 mL canister with cap (pediatric use) • Suction cap with 15 mm I.D. connection (fits ET Tube) • Includes 3 atraumatic suction tips: Large, Medium, Small. • Catheter adapter for funnel-shaped suction catheters • Reusable handle • Disposable collection canister and catheter • Anti-backflow valve (prevents fluid reflux) • Generates 500 mL pressure between 2nd–3rd compression • Materials: <ul style="list-style-type: none"> ○ PC vacuum pump ○ Tecnopor filter ○ TPE gasket & tank cover • Max vacuum: 560 mmHg |
| 133. | Nitrous oxide cylinder 240CFT | <ul style="list-style-type: none"> • The cylinder must be brand new standard quality. • During sample evaluation the bidder must provide the evidence that the sample provided is from the same manufacture whose authorization is attached with submitted bid. • BOC/Equivalent testing certificate must be provided |
| 134. | Nitrous oxide cylinder 48CFT | <ul style="list-style-type: none"> • The cylinder must be brand new standard quality. • During sample evaluation the bidder must provide the evidence that the sample provided is from the same manufacture whose authorization is attached with submitted bid. • BOC/Equivalent testing certificate must be provided |
| 135. | Fog machine 60 litre | <ul style="list-style-type: none"> • Capacity: 60 litres • Spray Type: Ultrasonic or thermal fogging • Output: High-volume fine mist/fog • Fogging Range: Up to 10–15 meters • Tank Material: Chemical-resistant plastic or stainless steel • Nozzle: Adjustable spray direction • Flow Rate: Approx. 1.5–2.5 L/min (varies by model) • Power Supply: 220V / 50Hz (or as specified) • Control: Manual or remote control options • Use: Disinfection, pest control, or industrial fogging <ul style="list-style-type: none"> • Portability: Mounted on wheels or frame for mobility <p>Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items.</p> |

| | | |
|------|--|---|
| 136. | Binocular loup (2.5 x) | <ul style="list-style-type: none"> • 2.5x magnification • Binocular loupe design • Adjustable working distance: 420–620mm • Ultra-lightweight frame (goggle-style) • Durable yet portable construction • Available in multiple colors • High-quality optical lenses • Ergonomic fit for extended wear • Ideal for detailed precision work |
| 137. | Cleaning gun, water / air | <ul style="list-style-type: none"> • Durable cast aluminium body with hanging hook • Precision air volume control and water shutoff valve • 12" stainless steel extension with insulated grip • Aluminium safety nozzle tip • Air inlet: 1/4" FNPT • Liquid inlet: 3/4" garden hose (female) • Meets OSHA standards • Model number: 79WG • Air inlet (FNPT): 1/4" • Minimum compressor required: 3.3 hp • Air flow: 15 cfm • Syphon flow rate: 22 gph |
| 138. | BP Apparatus Portable with stand | <ul style="list-style-type: none"> • Mercury 300mm Hg with die cast metal housing large reservoir with spilling over arrangement tube with 3 mm silicone. • Rubber bulbs. 1 Velcro cuff Adult • Mobile stand with lockable castors. • Complete with baskets for storage of cuffs. |
| 139. | BP apparatus Mercury (Adult & Paeds) | <ul style="list-style-type: none"> • Mercury 300mm Hg with die cast mehousing large reservoir with spilling ovrarrangement tube with 3 mm silicone • Standard Latex bulb • Nylon cuff Adult & Peads • Cast aluminum alloy case • Standard air release valve |
| 140. | Ambu Bag (Paediatric) | <ul style="list-style-type: none"> • Silicon Resuscitation Bag with infant / child face mask sizes 00, 0, 1, 2 & airway size 0, 1, 2 with E2 valve and fully autoclavable. • The resuscitator to meet with all requirements lay down by international standards. • Reservoir Bag volume approx. 600ml. • Oxygen Reservoir Volume approx. 2500ml for adult and child • Tidal maximum volume: approx. 200ml for infant • Unit to operate in all climatic conditions and not to be dependent upon a power supply. • To be able to connect to an oxygen supply up to 100%. |

| | | |
|------|----------------------|--|
| | | <ul style="list-style-type: none"> The resuscitator must be able to ventilate through a mask and/or endotracheal tube. <p>Re-usable and must be autoclavable.</p> |
| 141. | Ambu Bag (Adult) | <ul style="list-style-type: none"> Silicon Resuscitation Bag with adult face mask sizes 3, 4, 5 & Airway size 3, 4, 5 with E2 valve and fully autoclavable. Reservoir Bag volume 2 Liter or more. Oxygen Reservoir Volume approximately 2500 ml for adult. Tidal maximum volume: approximately 1000ml for adult. Resuscitation bag to be manually operable and able to be connected to an oxygen source up to 100% for ventilation through a mask or an endotracheal tube. To be able to connect to an oxygen source up to 100%. Unit to be supplied with a carrying case. <p>Re-usable and must be autoclavable</p> |
| 142. | Stethoscope | <ul style="list-style-type: none"> Lightweight aluminum/ S S adult chest piece construction. Adjustable chrome binaural. Flexible one piece molded 'Y' PVC tubing. Ergonomic plastic ear tips. |
| 143. | Steel Almirah | <ol style="list-style-type: none"> 18-gauge steel, filing cabinet with three drawers each 450mm height with railing handles, locks and 100mm high pedestal. Including power coating with good surface finish Size 400 x 750mm x 1400mm |
| 144. | Beds mattress | Size: 6 ½' x 3' x 4'' with Raxine cover, good quality Branded |
| 145. | Thermometer Clinical | <ol style="list-style-type: none"> Temperature measurement range 32 – 43 °C (minimum guaranteed). Accuracy ± 0.1 °C in the range 35 – 41 °C. Ready-to-use after switch-on within 10 s. Measurement time: within 120 seconds. Automatic switch-off when not in use. Low battery indicator. Waterproof. |
| 146. | Torch with batteries | <ol style="list-style-type: none"> LED Light Source Rechargeable battery Waterproof Having Good Luminous flux and Battery life. |
| 147. | ESR Racks | <ol style="list-style-type: none"> Manual racks have 10 slots. Branded, Good quality, washable, quality material. |
| 148. | ESR Pipettes | <ol style="list-style-type: none"> Made from Pyrex with graduated scale Branded |

| | | |
|------|--|--|
| 149. | Jester Pipettes Adjustable – various sizes | 1. Jester (1 To 10 Ul) Adjustable 2. Jester (10 To 100ul) Adjustable 3. Jester (100 To 1000ul) Adjustable 4. Branded, Good Quality |
| 150. | Sputum collection containers | 1. Best Quality 2. Made up of Good Material |
| 151. | Urine collection containers | 1. Best Quality 2. Made up of Good Material |
| 152. | Test Tube Holder | 1. Best Quality 2. Made up of Good Material |
| 153. | Stainless-Steel Test-Tube Racks | 1. Good quality, washable, stainless steel rack and can hold 12 tubes |
| 154. | Gynae examination kit | 1. Sponge Forceps, 25.5cm length, serrated jaws 2. Bozeman Douglas Forceps, 26cm length 3. Schroeder Tenaculum Forceps, 25cm length 4. Uterine Sound, standard length 5. Graves Speculum, 95mm x 35mm dimensions 6. Gallipot, 2 oz capacity 7. High-grade stainless steel construction |
| 155. | Lead apron | 1. Best quality, imported 2. Flexible lead rubber in tear resistant plastic cover 3. Sleeveless, half-length at back 4. Fastening with crossed elastic straps with Velcro end 0.5mm lead thickness for small, medium and large sizes |
| 156. | Tendon hammer | 1. Best quality, good material |
| 157. | Measuring tap | 1. Best quality, good material 2. Measurement Range upto 5 Meter |
| 158. | Tuning fork 128 cycles/second | Best quality, good material |

| | | |
|------|-----------------------------------|---|
| 159. | Electric water cooler with filter | <ol style="list-style-type: none"> 1. Branded Electric Water Cooler 60 Litters or more 2. Stainless Steel Tank 3. To be installed with 3-part Filtration unit 4. With Complete Installation <p>Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items.</p> |
| 160. | Refrigerator 12 cft | <ol style="list-style-type: none"> 1. Branded Double door,12 Cft Refrigerator. 2. With Complete Installation <p>Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items.</p> |
| 161. | BP Apparatus with small cuff | <ol style="list-style-type: none"> 1. Constructed from shatter resistant materials fully protected plastic manometer tube with clear reading scale, range 0 to 300 mm Hg. 2. Integral mercury reservoir. 3. Spring coil tube with bulb. (Pump). 4. Pediatric cloth cuff with Velcro fastening cuff holder. 5. Unit mounted on stable 4 to 5 castor mild steel base. |
| 162. | Stethoscope paediatrics | <ol style="list-style-type: none"> 1. Lightweight aluminum/S S Pediatric chest piece construction. 2. Adjustable chrome binaural. 3. Flexible one piece molded 'Y' PVC tubing. 4. Ergonomic plastic ear tips. |
| 163. | Stethoscopes foetal (aluminium) | <ol style="list-style-type: none"> 1. High quality foetal stethoscope 2. Material: Aluminium 3. color: Black, Blue, Green and Orange |
| 164. | Female metal catheter | <ol style="list-style-type: none"> 1. Female metal catheter F201, F 203, F204, F28 |
| 165. | Soap and soap tray | <p>Soap & Tray: Antiseptic soap with good quality plastic tray.</p> |
| 166. | Air Ways (different sizes) | <ol style="list-style-type: none"> 1. Disposable Airways 0 (Sterile Pack) 2. Disposable Airways 00 (Sterile Pack) 3. Disposable Airways 1 (Sterile Pack) 4. Disposable Airways 2 (Sterile Pack) |

| | | |
|------|----------------------------------|--|
| | | 5. Disposable Airways 3 (Sterile Pack) 6. Disposable Airways 4 (Sterile Pack) 7. Disposable Airways 5 (Sterile Pack) |
| 167. | Macintosh sheets | 1. Various sizes like (90 cm X 75 cm, 100 cm X 150 cm, 100 cm X 200 cm). |
| 168. | Urine Collection Bags | 1. Leg-mounted for mobility 2. 800ml capacity 3. 50cm tube 4. Adjustable leg straps 5. Discreet & lightweight 6. Medical-grade materials |
| 169. | Air-Conditioner (split 1.5 tons) | 1. AC 1.5 tones Split unit inverter type 2. Airflow: 4-Way Air 3. Cooling effect: Heat and Cool Function 4. Energy efficiency class: 60% Electricity saving. 5. Noise level: Ultra Low Noise Control 6. Type: Wall Mounted 7. Gold fin Evaporator and condenser 8. Auto clean 9. R410/R32 Eco friendly refrigerant With Complete Installation Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items. |
| 170. | Dark room accessories | 1. Red Safelight: Provides safe illumination without affecting film 2. Film Hangers: Stainless steel, various sizes (5"x7" to 14"x17") 3. Developing Tanks: Lightproof, for manual film processing 4. Thermometer: Accurate, chemical-resistant (0-50°C range) 5. Film Clips: For drying processed X-ray films 6. Cassette Rack: Organizes loaded/unloaded cassettes 7. Chemical Trays: For developer/fixer baths 8. Film Bin: Disposal for used films |
| 171. | Curtain | 1. Made up of flame retardant and antimicrobial material 2. Standard size as per hospital requirement |

| | | |
|------|------------------------------|---|
| 172. | Blinds | <ol style="list-style-type: none"> 1. Made up of flame retardant material. 2. Color as per Hospital Requirement. 3. Standard size as per hospital requirement. <p>Bidder have to quote price per square feet</p> |
| 173. | Fire extinguisher | <ol style="list-style-type: none"> 1. Dry Chemical fire extinguishers extinguish the fire primarily by interrupting the chemical reaction of the firetriangle. 2. Type: Wall mounted type. 3. Size: 6kg. 4. Dry chemical fire extinguishers that is effective on Class A, B, and C fires. 5. Class A fires are fires in ordinary combustibles such as wood, paper, cloth, rubber, and many plastics. 6. Class B fires are fires in flammable liquids such as gasoline, petroleum greases, tars, oils, oil-based paints, solvents, alcohols. Class B fires also include flammable gases such as propane and butane. 7. Class C fires are fires involving energized electrical equipment such as computers, servers, Motors, transformers, and appliances. |
| 174. | Alcohol dispenser | <ol style="list-style-type: none"> 1. Infrared sensor 2. Material: ABS Plastic 3. Large tank capacity (1000ml) 4. Spray Capacity: 0.8ml – 1.2ml (1000 times for 1000ml) 5. Safety key lock 6. Power: DC and X4 Battery 7. Dimension (L x W x H): 120 x 110 x 260mm |
| 175. | Antibacterial soap dispenser | <ol style="list-style-type: none"> 1. Bulk fill, 0.9 L SAN container 2. Antibacterial white ABS body 3. Key lock with white cover 4. Non-drip, anticorrosion push valve 5. Visible soap level 6. Durable and high performance 7. Easy to clean |
| 176. | Waste bin, standard, 5 L | <ol style="list-style-type: none"> 1. Moveable waste bin of Good quality 5L waste bin |

| | | |
|------|----------------------|--|
| 177. | Hand towel dispenser | <p>1. Size: 36.3 x 25 x 11cm</p> <p>2. Capacity: 750 sheets</p> <p>3. Format: Stainless steel</p> |
| 178. | Generator 100KVA | <p><u>Genset Rating:</u> (Model, Make and country of origin must be mentioned)</p> <ul style="list-style-type: none"> • Prime rating: 100KVA/80KW • Output Voltage (Single phase/Three Phase) : 220-240/400-440 • Frequency: 50Hz • Power Factor: 0.8 or better • RPM: 1500 or Better <p><u>Engine Specification:</u> (Model, Make and country of origin must be mentioned)</p> <ul style="list-style-type: none"> • Fuel: Diesel • Engine Rating in HP : 115 HP or better • No of Cylinders: 4 Inline or better • Compression ratio: 18:1 or better • Displacement: 4.4L or better • Governor Type: Electronic • Fuel Tank Capacity: 250L or better • Lubricant Oil Sump Capacity: 8L or better • Ambient Temperature at Rated Load: 50°C • Radiator Capacity (Ltr): 17 L or better <p><u>Alternator:</u> (Model, Make and country of origin must be mentioned)</p> <ul style="list-style-type: none"> • Type: 4 poles brushless • Insulation: Class H • Voltage Regulation No Load to Full Load: $\pm 1\%$ or better. • Winding Pitch: 2/3 <p><u>Protections:</u></p> <p><u>Alternator Protection:</u></p> <ol style="list-style-type: none"> 1. Overload and Short Circuit Protection. 2. Generator Phase Sequence Protection. 3. Over/Under Voltage Protection. 4. Over/Under Frequency Protection. 5. Over current Protection. <p><u>Engine Protection:</u></p> <ol style="list-style-type: none"> 1. Low Lube oil Pressure 2. High/Low Coolant Temperature 3. Engine over & under Speed 4. Emergency Stop 5. Low Fuel Level <p><u>Display:</u></p> <ul style="list-style-type: none"> • Voltage, Current, KW, Power factor, Frequency. • Engine Oil Pressure • Coolant Temperature (Digital) • Fuel level indication • Engine RPM • Total Running Hours |

| | | |
|------|----------------|--|
| | | <ul style="list-style-type: none"> • Palate Earthing <p>The following items must be included with diesel generator.</p> <ol style="list-style-type: none"> 1. ATS panel (Local with imported components). 2. 10-meter Power cable will be provided with generator. 3. Providing, installation and testing of the unit and earthing network for generator set. 4. Construction of foundation pad. 5. Weather and sound proof canopy (Local/Imported). 6. Separate price for Power cable (per meter), must be quoted. 7. The supplier will be responsible for complete installation/functionalization of the generator. <p>Note: Submission of samples for this item is NOT required. Total Compliance with Specification will be awarded full marks as mentioned in Category D criteria for sample based Items. Minor deviations may be accommodated up to 3, subject to the condition that main function and performance in any aspect would not be affected. More than 3 minor deviations will be considered as major deviation and the bidder will be considered as non-responsive for the quoted item. (One mark for each deviation will be deducted).</p> |
| 179. | Retinoscope | <ol style="list-style-type: none"> 1. Designed to ensure Ultimate control. 2. Lenses graticules and filters can all be easily changeable. 3. Xenon illumination 4. Positive Action wheel. 5. Comprehensive Lens Range +29D to -30D. 6. Swing over Red Free Filter. 7. Professional Retinoscope suitable for Streak or Spot. 8. Interchangeable soft brow rest. 9. Focal illuminator, With Handles. Spare bulbs. Protective case. |
| 180. | Refraction box | <ol style="list-style-type: none"> 1. 35-Pairs-204 PCS and Universal Frame in Wooden carrying case. 2. Spheres: ± 0.12 to ± 20.00 3. Cylinders: ± 0.25 to ± 3.00 4. Firms: $\frac{1}{2}$ to 6 5. Auxiliaries: Blue, Red, Green, Brown, Plane (2pcs)-glass. 6. Occluder, Pinhole 0.5, 1.0, 1.5mm – leach Slit Disc 0.5, 1.0mm- leach. |

| | | |
|------|-------------|---|
| 181. | Vision drum | <p>1. Testing box to be wall mounted must be supplied with the following panels.</p> <p>2. English Alphabets 1No</p> <p>3. Illiterate —El 1No</p> <p>4. Illiterate —Cl 1No</p> <p>5. Children's 1No To be manually rotated.</p> |
|------|-------------|---|

**PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS
AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ'S
HOSPITALS IN KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26.**

Technical Evaluation Criteria for Category- A Equipment for FY 2025-26

| S. No. | Description of Variables | Allocated Marks |
|----------|---|--|
| A | Product / Manufacturer Evaluation Parameters | |
| 1 | Compliance Sheet must be attached with the technical quotation. | No Marks |
| 1.1 | Ref. No of item in SBD Schedule of Requirement | |
| 1.2 | Name of equipment | |
| 2 | Conformance to Specification | |
| 2.1 | Fully compliance with the required specifications as per Statement of Requirement. Minor deviations may be accommodated up to 4, subject to the condition that main function and performance in any aspect would not be affected. More than 4 minor deviations will be considered as major deviation and the bidder will be considered as non-responsive for the quoted item. (One mark for each deviation will be deducted). | 25 |
| 2.2 | Additional features of the product (One mark for each additional feature dully justified, if it enhances the Performance and functionality of equipment in required Field or Additional Software / hardware Provided Free of cost). | 3(28) |
| 3 | Product International Certification | Mandatory 2(30) |
| 3.1 | Certificate of US Food and Drug Administration (USFDA) for the quoted model. 1. Registration if the quoted product belongs to class I. 2. USFDA 510K if the quoted product belongs to class II. 3. Pre-Market approval (PMA) if the quoted product belongs to class III. | Two certificates are mandatory having no marks, while producing other one certificate will get 2 marks. |
| 3.2 | Certificate of European community (93/42/EEC Medical devices, 98/79/EC In vitro diagnostic medical devices (Full Quality Assurance or Product Quality Assurance) or Regulation (EU) 2017/745 on medical devices, Regulation (EU) 2017/746 on in vitro diagnostic medical devices for the quoted product/manufacturer. The certificate must be issued from the European Commission Notify Bodies. Except for certain of Class I and Class IIa Medical Devices that don't require the involvement of a Notified Body (NB). | |
| 3.3 | Certificate of Ministry of health labor and welfare Japan (MHLW) for the quoted model. (Translated English Version). | |
| 4 | Manufacturer Performance | |
| 4.1 | Valid ISO 13485 Medical Devices Quality Management Systems certificate of manufacturing plant from International Accreditation Forum (IAF) Accredited Bodies. | 3 (33) |
| 4.2 | Valid ISO 45001 Occupational Health & Safety Certificate of manufacturing plant from International Accreditation Forum (IAF) Accredited Bodies. | 3 (36) |
| 4.3 | Weightage for local Pakistani original manufacturer. | 2 (38) |
| 5 | After Sale Product Local Performance | |
| 5.1 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder in last six years on letter head, signed and stamped letter for the quoted model or previous provided or upgraded model of equipment from the public sector medical institution | 6 (44) |

| | | |
|----------|--|------------------|
| | of Pakistan. Performance certificate shall be coupled with supply order / purchase order from public sector medical institution. | |
| 5.2 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder in last six years on letter head for the quoted model or previous provided model or upgraded model of equipment from the teaching level private sector medical institution of Pakistan. The hospital must be recognized from Pakistan Medical and Dental Council (PMDC) / research institute. The satisfactory performance certificate of non-recognized institution from PMDC will not be considered. Performance certificate shall be coupled with supply order / purchase order from teaching level private sector medical institution. | 3 (47) |
| 6 | Warranty | |
| 6.1 | Warranty Period of three years both with spare parts and services & Next two-year services only without spare parts from the date of Installation / Commissioning. | Mandatory |
| A | Total score of the Product / Manufacturer Evaluation Parameters | 47 |
| B | Firm / bidder Evaluation Parameters (The marks will be awarded after the premises inspection and verification of Human Resource, Workshop facility, Financial Strength and Registrations) | |
| 1 | Personnel/Human Resource | |
| 1.1 | Diploma of Associate Engineer (DAE) in electrical / electronic / biomedical / mechatronics / mechanical / industrial. DAE certificate must be submitted. (0.5 mark for each certificate) | 1 |
| 1.2 | Graduate Engineer with PEC Registration in electrical / electronics, biomedical / mechatronics / mechanical / industrial. PEC registration card of the engineer must be submitted. (1 mark for each Engineer) | 3 (4) |
| 1.3 | BSc (hons) Electronics /MSc Electronics / B-Tech (hons) in electrical / electronic / biomedical / mechatronics / mechanical / industrial. Degree of BSc / MSc / B-Tech (hons) must be submitted. (1 mark) | 1 (5) |
| 1.4 | Factory trained or Trained engineer certified by the manufacturer's dedicated foreign training center on the quoted Products . (To be verified from the visa and passport). (1 mark for each) | 1 (6) |
| 2 | Workshop facility Testing/ Calibration tools of Equipment | |
| 2.1 | Availability of workshop in Khyber Pakhtunkhwa to be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name. | Mandatory |
| 2.2 | List of related tools available at workshop. Details shall be submitted with technical bid. | 3 (9) |
| 2.3 | List of Testing and Calibration tools for the quoted items available at workshop. Details shall be submitted with technical bid. | 3 (12) |
| 2.4 | Detail of Spare parts availability at workshop for the quoted items. Details shall be submitted with technical bid. | 3 (15) |
| 3 | Firm / bidder Financial Strength | |
| 3.1 | Annual Sales tax returns for last two years (1 mark for each year). | 2 (17) |
| 3.2 | Annual Income tax returns for last two years (1 mark for each year). | 2 (19) |
| 3.3 | Last three years Audited Balance Sheet Duly attested by Chartered Accountant. Marks will be allocated on the basis of revenue annual turnover, PKR 300 Million or above will be awarded 2 marks in last 3 years. PKR 100 Million to PKR 299 Million will be awarded 1 mark in last 3 years. Less than PKR.100 Million will be awarded 0 mark. | 2 (21) |
| 4 | Firm / bidder Registration | |
| 4.1 | Firm / bidder registration at relevant forum (SECP/ or Registrar of Firm / bidder/ FBR). | Mandatory |
| 4.2 | Firm / bidder registered with DRAP (Drug Regularity Authority of Pakistan) or PEC (Pakistan Engineering Council) in code ME06. | Mandatory |

| | | |
|------------|---|---------------------|
| 4.3 | Valid ISO 9001 Quality Management Certificate of the firm / bidder from PNAC accredited bodies. | 2 (23) |
| B | Total Score of the Firm / bidder Evaluation Parameters | 23 |
| A+B | Total Score (A + B) | (47+23) = 70 |

Technical Evaluation Criteria for Category-B Equipment for FY 2025-26

| S. No. | Description of Variables | Allocated Marks |
|------------|--|--|
| A | Product / Manufacturer Evaluation Parameters | |
| 1 | Compliance Sheet must be attached with the technical quotation. | No Marks |
| 1.1 | Ref. No of item in SBD Schedule of Requirement | |
| 1.2 | Name of equipment | |
| 2 | Conformance to Specification | |
| 2.1 | Fully compliance with the required specifications as per Statement of Requirement. Minor deviations may be accommodated up to 5, subject to the condition that main function and performance in any aspect would not be affected. More than 5 minor deviations will be considered as major deviation and the bidder will be considered as non-responsive for the quoted item. (One mark for each deviation will be deducted). | 25 |
| 2.2 | Additional features of the product (One mark for each additional feature dully justified, if it enhances the Performance and functionality of equipment in required Field or Additional Software / hardware Provided Free of cost). | 2(27) |
| 3 | Product International Certification | Mandatory 4(31) |
| 3.1 | Certificate of US Food and Drug Administration (USFDA) for the quoted model. 1. Registration if the quoted product belongs to class I. 2. USFDA 510K if the quoted product belongs to class II. 3. Pre-Market approval (PMA) if the quoted product belongs to class III. | One certificate is mandatory having no marks, while producing other two certificates will get 2 marks each. |
| 3.2 | Certificate of European community (93/42/EEC Medical devices, 98/79/EC In vitro diagnostic medical devices (Full Quality Assurance or Product Quality Assurance) or Regulation (EU) 2017/745 on medical devices, Regulation (EU) 2017/746 on in vitro diagnostic medical devices and 2014/68/EU Pressure equipment for the quoted product/manufacture. The certificate must be issued from the European Commission Notify Bodies. Except for certain of Class I and Class IIa Medical Devices that don't require the involvement of a Notified Body (NB). | |
| 3.3 | Certificate of Ministry of health labor and welfare Japan (MHLW) for the quoted model. (Translated English Version). | |
| 4 | Manufacturer Performance | |
| 4.1 | Valid ISO 13485 Medical Devices Quality Management Systems certificate of manufacturing plant from International Accreditation Forum (IAF) Accredited Bodies. | 3 (34) |
| 4.2 | Valid ISO 45001 Occupational Health & Safety Certificate of manufacturing plant from International Accreditation Forum (IAF) Accredited Bodies. | 3 (37) |
| 4.3 | Weightage for local Pakistani original manufacturer. | 2 (39) |
| 5 | After Sale Product Local Performance | |

| | | |
|----------|--|------------------|
| 5.1 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder in last six years on letter head, signed and stamped letter for the quoted model or previous provided model or upgraded model of equipment from the public sector medical institution of Pakistan. Performance certificate shall be coupled with supply order / purchase order from public sector medical institution. | 6 (45) |
| 5.2 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder in last six years on letter head for the quoted model or previous provided model or upgraded model of equipment from the teaching level private sector medical institution of Pakistan. The hospital must be recognized from Pakistan Medical and Dental Council (PMDC) / research institute. The satisfactory performance certificate of non-recognized institution from PMDC will not be considered. Performance certificate shall be coupled with supply order / purchase order from teaching level private sector medical institution. | 3 (48) |
| 6 | Warranty | |
| 6.1 | Warranty Period of three years both with spare parts and services & Next two-year services only without spare parts from the date of Installation / Commissioning. | Mandatory |
| A | Total score of the Product / Manufacturer Evaluation Parameters | 48 |
| B | Firm / bidder Evaluation Parameters (The marks will be awarded after the premises inspection and verification of Human Resource, Workshop facility, Financial Strength and Registrations) | |
| 1 | Personnel/Human Resource | |
| 1.1 | Diploma of Associate Engineer (DAE) in electrical / electronic / biomedical / mechatronics / mechanical / industrial. DAE certificate must be submitted. (0.5 mark for each certificate) | 1 |
| 1.2 | Graduate Engineer with PEC Registration in electrical / electronics, biomedical / mechatronics / mechanical / industrial. PEC registration card of the engineer must be submitted. (1 mark for each Engineer) | 3 (4) |
| 1.3 | BSc (hons) Electronics /MSc Electronics / B-Tech (hons) in electrical / electronic / biomedical / mechatronics / mechanical / industrial. Degree of BSc / MSc / B-Tech (hons) must be submitted. (1 mark for each) | 1 (5) |
| 2 | Workshop facility Testing/ Calibration tools of Equipment | |
| 2.1 | Availability of workshop in Khyber Pakhtunkhwa to be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name. | Mandatory |
| 2.2 | List of related tools available at workshop. Details shall be submitted with technical bid. (List Attached in SBD) | 3 (8) |
| 2.3 | List of Testing and Calibration tools for the quoted items available at workshop. Details shall be submitted with technical bid. | 3 (11) |
| 2.4 | Detail of Spare parts availability at workshop for the quoted items. Details shall be submitted with technical bid. | 3 (14) |
| 3 | Firm / bidder Financial Strength | |
| 3.1 | Annual Sales tax returns for last two years (1 mark for each year). | 2 (16) |
| 3.2 | Annual Income tax returns for last two years (1 mark for each year). | 2 (18) |
| 3.3 | Last three years Audited Balance Sheet Duly attested by Chartered Accountant. Marks will be allocated on the basis of revenue annual turnover, PKR 300 Million or above will be awarded 2 marks in last 3 years. PKR 100 Million to PKR 299 Million will be awarded 1 mark in last 3 years. Less than PKR.100 Million will be awarded 0 mark. | 2 (20) |
| 4 | Firm / bidder Registration | |
| 4.1 | Firm / bidder registration at relevant forum (SECP/Registrar of Firm / bidder, FBR). | Mandatory |

| | | |
|------------|--|---------------------|
| 4.2 | Firm / bidder registered with DRAP (Drug Regularity Authority of Pakistan) or PEC (Pakistan Engineering Council) in code ME06. | Mandatory |
| 4.3 | Valid ISO 9001 Quality Management Certificate of the firm / bidder from PNAC accredited bodies. | 2 (22) |
| B | Total Score of the Firm / bidder Evaluation Parameters | 22 |
| A+B | Total Score (A + B) | (48+22) = 70 |

Technical Evaluation Criteria for Category-C Equipment for FY 2025-26

| S. No. | Description of Variables | Allocated Marks |
|----------|--|-----------------|
| A | Product Evaluation Parameters | |
| 1.1 | Name of equipment | |
| 2 | Conformance to the specification subject to the clearance on Sample test | |
| 2.1 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. Excellent Sample | 40 |
| 2.2 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. Good Sample | 25 |
| 2.3 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. Satisfactory Sample | 15 |
| 2.4 | Sample rejected by inspection committee or low-quality sample provided, the firm / bidder will be considered as non-responsive for the quoted item and no marks will be awarded. | 0 |
| 3 | Manufacturer Performance | |
| 3.1 | Valid ISO 9001 Quality Management System certificate from PNAC accredited bodies for local manufacturer or from International Accreditation Forum (IAF) Accredited Bodies for imported products. | 2 (42) |
| 3.2 | Valid ISO 14001 Environmental certificate from PNAC accredited bodies for local manufacturer or from International Accreditation Forum (IAF) Accredited Bodies for imported products. | 2 (44) |
| 3.3 | Valid OSHAS 18001 /ISO 45001 occupational Health and safety Certificate from PNAC accredited body for local manufacturer or from International Accreditation Forum (IAF) Accredited Bodies for imported products. (The certificate must be issued to the manufacturer plant). | 2 (46) |
| 4 | Inspection of Local Manufacturer | |
| 4.1 | CO ₂ welding, Powder coating room etc for medical furniture and instruments / Testing Tools, GSM Cutter , GSM Scale and Thickness meter for Hospital Linen Manufacturers | 2 (48) |
| 4.2 | Power and Backup service (Transformer and backup) | 2 (50) |
| 4.3 | Raw material store, Inventory store | 2 (52) |
| 4.4 | HR and skilled labor (10 or more) with registration with EOBI | 2 (54) |
| 4.5 | Manufacturing Plant Space / Area (As per manufacturing capacity) | 2 (56) |
| 5 | For imported Items | |

| | | |
|------------|--|--------------------|
| 5.1 | Good manufacturing practice (cGMP) certificate | 2 (48) |
| 5.2 | Valid CE certificate | 2 (50) |
| 5.3 | Valid USFDA registration or relevant certificate | 3 (53) |
| 5.4 | Valid JIS / PMDA / MHLW certificate | 3 (56) |
| 6 | After Sale Past Performance | |
| 6.1 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder on letter head, signed and stamped from the public sector medical institution / hospital for the quoted item. Performance certificate shall be coupled with supply order / purchase order from public sector medical institution. | 5 (61) |
| 6.2 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder on letter head for the quoted item from the teaching level private sector medical institution of Pakistan. Performance certificate shall be coupled with supply order / purchase order from teaching level private sector medical institution. | 3 (64) |
| 7 | Warranty | |
| 7.1 | One year warranty for instruments, hospital furniture, hospital linen & other hospital supplies with replacement / repair of product. | Mandatory |
| A | Total score of the Product Evaluation | 64 |
| B | Firm / bidder Evaluation Parameters | |
| 1 | The bidder will have to give valid proof of being manufacturer / importer. | Mandatory |
| 2 | Firm / bidder Financial Strength | |
| 2.1 | Annual Sales tax returns for last two years (1 mark for each year). | 2 |
| 2.2 | Annual Income tax returns for last two years (1 mark for each year). | 2 (4) |
| 2.3 | Last two years Audited Balance Sheet Duly attested by Chartered Accountant. (1 mark for each year). | 2 (6) |
| 4 | Office / Workshop facility | |
| 4.1 | Availability of office/workshop in Khyber Pakhtunkhwa to be verified with Ownership / Rent Agreement with Owner/ Rent Agreement with Company Name. | Mandatory |
| B | Total Score of the Firm / bidder Evaluation Parameters | 6 |
| A+B | Total Score (A+B) | (64+6) = 70 |

Technical Evaluation Criteria for Category-D Equipment for FY 2025-26

| S. No. | Description of Variables | Allocated Marks |
|----------|--|-----------------|
| A | Product Evaluation Parameters | |
| 1.1 | Name of equipment | |
| 2 | Conformance to the specification subject to the clearance on Sample test | |
| 2.1 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. | 40 |

| | | |
|------------|---|----------------------------|
| | Excellent Sample | |
| 2.2 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. Good Sample | 25 |
| 2.3 | Total compliance with specification given in statement of Requirement subject to the clearance on sample test by the Inspection Committee. Satisfactory Sample | 15 |
| 2.4 | Sample rejected by inspection committee or low-quality sample provided, the firm / bidder will be considered as non-responsive for the quoted item and no marks will be awarded. | 0 |
| 2.5 | For Generator the compliance with the advertised specifications will be considered | (40) |
| 3 | Manufacturer Performance | |
| 3.1 | Valid CE certificate/USFDA for Quoted Products. | 6 |
| 3.2 | Valid ISO 9001 Quality Management System certificate from International Accreditation Forum (IAF) Accredited Bodies for imported products. | 1 |
| 3.3 | Valid ISO 14001 Environmental certificate from International Accreditation Forum (IAF) Accredited Bodies for imported products. | 1 |
| 4 | After Sale Past Performance | |
| 4.1 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder on letter head, signed and stamped from the public sector institution/ organization / hospital. | 7 |
| 4.2 | One mark for each after sale satisfactory performance certificate (verifiable) of the firm / bidder on letter head of private institution / organization / hospital. | 5 |
| 5 | WARRANTY | |
| 5.1 | One-year warranty for hospital Supplies of category D with replacement / repair of product. Three-year Comprehensive Warranty (irrespective of running hours) with parts and services from date of commissioning for Generators. | Mandatory, No Marks |
| A | Total Score of Product Evaluation | 60 |
| B | Firm / bidder Evaluation Parameters | |
| 1 | The bidder will have to give valid proof of being manufacturer / importer / Authorized dealer. The bidder will have to give valid proof of being manufacturer / importer for Generator. | Mandatory, No Marks |
| 2 | Firm / bidder Financial Strength | |
| 2.1 | Annual Sales tax returns for last Three years. | 3 |
| 2.2 | Annual Income tax returns for last Three years. | 3 |
| 2.3 | Last Three years Audited Balance Sheet Duly attested by Chartered Accountant. | 3 |
| 2.4 | Valid ISO 9001 Quality Management Certificate of the firm / bidder from PNAC accredited body. | 1 |
| 4 | Office / Workshop facility | |
| 4.1 | Availability of office/workshop in Khyber Pakhtunkhwa to be verified with Ownership / Rent Agreement with Owner/ Rent Agreement with Company Name. | Mandatory |
| B | Total Score of the Firm / bidder Evaluation Parameters | 10 |
| A+B | Total Score (A+B) | (60+10) = 70 |

Section V. Technical Specifications (Continued)

Financial Evaluation and Scoring System for Bids

(Maximum Allocable Marks Score = 30 marks)

The financial bids of technically qualified bidders will be opened publicly at the time to be announced by the Procuring Agency and the financial bids found technically non responsive shall be returned un-opened to the respective Bidders.

Total Allocable marks for Technical Proposal = 70

Total Allocable marks in Financial Proposal= 30

Total Combined Allocable Score for individual bids = Marks obtained in Technical Evaluation + Marks obtained in Financial Evaluation = 100

Scoring Methodology:

Contract will be awarded to the best evaluated fair and responsive bidder whose product ranks highest in the Combined Evaluation scoring calculated through the Marks awarded to Technical Proposal and Financial Proposal as stated in the Bid Data Sheet of these Bid Solicitation Documents.

The Evaluation Methodology is a combination of non-price factors (in Technical Criteria) and price factor (in Financial Criteria); and each having points as elaborated in the evaluation preforms provided in these BSDs.

Procedure for the Marks Scoring: Marks will be awarded or otherwise for various technical parameters to each quoted product based on the prescribed Technical and Financial criteria. The total combined marks will determine the highest-ranking product in each product category for contract award.

The formula to calculate the marks for the price by the bidders other than lowest bidder is given below:

Financial Evaluation Score of individual quoted Product:

= [Lowest quoted Price of the item ÷ Next higher proposed Price of the competing item] x Total allocable financial score

Solved Example of Financial Scoring:

If the lowest quoted price of an item is Rs. 86/-, the same lowest bidder will obtain score as below:

= $[86 \div 86] \times 30 = 30$ marks, being the lowest bidder for the quoted item.

If the next higher quoted price of the same item is Rs. 105/-, the marks obtained will be:
= $[86 \div 105] \times 30 = 24.57$ Marks
If the next higher quoted price of the same item is Rs. 130/-, the marks obtained will be:
= $[86 \div 130] \times 30 = 19.84$ Marks and so on.

Section VI. Sample Forms

MANDATORY STANDARD FORMS (1 TO 5)

BID FORM 1: BID COVER SHEET

BID FORM 2: LETTER OF INTENTION

BID FORM 3: AFFIDAVIT

BID FORM 4: PRICE SCHEDULE FORMAT FOR FINANCIAL BID

(To be submitted in separate sealed envelope)

BID FORM 5: INTEGRALITY PACTS

BID FORM 6: CONTRACT AGREEMENT

(Template for information only, shall be signed with the successful Bidders only)

BID FORM 7: BANK GUARANTEE (Specimen)

Bid Form 1
BID COVER S HEET

Mandatory General Information of Applicant Firm NOTE: Complete filling of this form along with the provision of all requisite information is mandatory. Missing or not providing any of the requisite information may lead to dis-qualification of the bidder/s from the bidding competition without any case.

| S. No | Name of Bidding Firm | Details |
|-------|---|---------|
| 1 | Please indicate whether the firm is: a. Manufacturer, or b. Importer, or c. Both Manufacturer and importer. d. Authorized Agent/Dealer/Distributor For various items offered for this bidding competition | |
| 2 | Please indicate the category/ies under which the Firm is applying for bidding a. Category A b. Category B c. Category C d. Category D | |
| 3 | Please provide names, attested copies of CNICs, two recent attested photographs, valid street addresses in Pakistan, all landline and mobile phone numbers of: a. Owner/Proprietor of the Firm. b. Managing Director / CEO of the Firm; c. Focal person officially made responsible and authorized by the Firm for day-to-day official Correspondence with PMIU Secondary Revamp. (Please provide clear, legible and visible attested photocopies of all the requisite items mentioned items) | |
| 4 | Please provide the following valid information Regarding applicant Firm: Complete Street address of the: a. Head Office b. Main warehouse; and c. Valid & working official Landline Phone and d. Fax Numbers; and e. Mobile phone numbers of the Focal Person registered against his /her CNIC No. And name; and f. Valid and functional Email address; g. Official Website address /es . | |
| 5 | a. Please provide in original the bid security instrument along with the Financial Proposal in the sealed envelope in the form of valid Call Deposit Receipt / Bank Draft / Bank Guarantee of the requisite amount from a scheduled Bank of Pakistan in the name of Project Director Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa. Non- provision of bid Security shall render the bid as non -responsive. b. However, please provide an affidavit on judicial stamp paper of appropriate face value in the sealed Envelope of the technical proposal to the effect that the bid security of the required amount (without mentioning the amount of bid security) has been inside the sealed envelope of the financial bid except where flat rates in bid security has been demanded by the PMIU Secondary Revamp. | |
| 6 | Please provide attested copies of the following Tax related mandatory documents: a. National Tax Number (NTN) of the Firm (FTN) for Income Tax b. Last year Income Tax Return of the Firm; c. Sales Tax Registration Certificate of the Firm; and | |

| | |
|----|---|
| | d. Certificate of Professional Tax |
| 7 | In case of being manufacturer, the Firm should provide attested copies of the following mandatory documents also: a. Duly attested copy of valid Certificate from Chamber of Commerce of the respective country |
| 8 | In case of being importers, the Firm should provide attested copies of the following mandatory document/s also: a. Valid Embassy Attested Authorization Certificate for the quoted items of category A and B medical equipment, duly attested by the Embassy concerned. |
| 9 | The bidding Firm shall also provide an Affidavit on Judicial Stamp Paper of the value of at least Rs. 100/- (Rs. One Hundred Only) for the following undertaking: I. I / We have carefully read the whole set of Bid solicitation Documents for this bidding competition and that I / We have fully understood and agree to all the provisions (including, but not limited to, those provided under ITB 11.5, 16.1 and 29.1 of the Bid Data Sheet), terms and conditions, evaluation criteria, mechanism of evaluation & selection of items for which the Firm has applied for competition; and II. I / We fully understand and agree that the bidding competition for which I / We have applied to enter in, shall be based on merit-based scoring system for the evaluation of technical bids which has inverse relationship with the rates quoted by the bidders in their financial bids submitted; and that in this situation, the lowest financial bid/s may or may not win the bidding competition; and III. I / we guarantee that the quoted items are, and shall be, freely available in the market of Pakistan; and particularly in the market of Khyber Pakhtunkhwa province and/or available in public and private sector health facility (ies); and IV. I / We shall provide to the inspection team/s of expert/s authorized for the purpose by the Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa.; an uninterrupted and free access to all relevant documents, sections of the manufacturing facilities / unit, storage and warehousing facilities as well as any other area relevant, as deemed appropriate by the above-mentioned team for their purpose of visit/s. V. In case of any collusive, coercive, corrupt, obstructive, fraudulent practices and/or any act of misconduct by the bidding firm/focal person, in this bidding competition in relation to the decision making by the procuring entity, shall be liable to be proceeded under KPPRA Act 2012, Rules framed thereunder, Departmental Debarment/Blacklisting Guidelines Notified vide Letter No. 2440-2500/Proc. Cell, Dated: 30-08-2018, and/or forfeiture of the bid security/performance guarantee of the bidding firm, and / or any other lawful action as deemed appropriate by the Government of Khyber Pakhtunkhwa, including that to be taken up with the DRAP or any other body / entity of the Federal Government; and VI. I / We have fully understood that the medical devices and items in the categories including other non-drug items shall be evaluated and examined by experts / consultants / end-users nominated by the Procuring Agency i.e. Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa., at its sole discretion; and that the Firm shall fully agree and abide by the decision / opinion, whatsoever, of the said expert/s regarding the selection, or otherwise, of the quoted item/s for purchase / rate contracting. VII. I / We also undertake that submission of any false/bogus/fake/forged/ fabricated/tampered document shall lead to disqualification of our firm from this bidding competition as well as to other lawful action/s to be taken by the concerned authorities. VIII. I / We have fully understood that no such documents shall be entertained by the Procuring Agency, which is issued after due date of Bid opening. |
| 10 | I certify and affirm that I have attached /provided all the requisite mandatory documents / information including Bids Security with this Bid and that I fully understand that any document if not provided / missing shall result in the disqualification and declaring my bid as ineligible and thus non-responsive. Signatures: Name: CNIC No. Designation: Address: |

Bid Form 2

Letter of Intention

Bid Ref No.

Date of the Opening of Bids

Name of the Contract: PURCHASE OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26.
To:

[Project Director PMIU-revamping of non-teaching DHQ hospitals in Khyber Pakhtunkhwa]

Dear Sir/Madam,

Having examined the bidding documents, including Addenda Nos. *[insert numbers & Date of individual Addendum]*, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the Goods under the above-named Contract in full conformity with the said bidding documents and at the rates/unit prices described in the financial bid are not more than a trade price & the prices are not more than the market rates.

We undertake, if our bid is accepted, to deliver the Goods in accordance with terms and condition of contract agreement

We agree to abide by this bid, for the Bid Validity Period specified in the Bid Data Sheet and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period. Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us.

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

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in Pakistan.

Dated this *[insert: number]* day of *[insert: month]*, *[insert: year]*.

Signed:

In the capacity of *[insert: title or position]*

Duly authorized to sign this bid for and on behalf of *[insert: name of Bidder]*

Bid Form 3

AFFIDAVIT (on Judicial Stamp Paper of minimum Rs. 100)

I/We, the undersigned [**Name of the Supplier**] hereby solemnly declare and undertake that:

1. We have read the contents of the Bidding Document and have fully understood it.
2. The Bid being submitted by the undersigned complies with the requirements enunciated in the bidding documents.
3. The Goods that we propose to supply under this contract are eligible goods within the meaning of this SBD/BSD.
4. The undersigned are also eligible Bidders within the meaning of the bid solicitation documents.
5. The undersigned are solvent and competent to undertake the subject contract under the Laws of Pakistan. Furthermore, neither our principle/Manufacture is/are insolvent nor blacklisted.
6. The undersigned have not paid nor have agreed to pay, any Commissions or Gratuities to any official or agent related to this bid or award or contract.
7. The undersigned are not blacklisted or facing debarment from any Government, or its organization or project.
8. That undersigned has not employed any child labor in the organization/unit.
9. The undersigned has successfully completed all contracts assigned and has not violated the previous contract agreement with this department.
10. We understand that the Procurement Committee of the Procuring Agency is not bound to accept the lowest or any other bid they may receive.
11. If the undersigned is successful bidder, we shall provide complete technical manual and operation manual (soft and hard) to the PMIU Secondary Revamp.

We affirm that the contents of this affidavit are correct to the best of our knowledge and belief.

Signatures with Stamp: _____

Designation: _____

CNIC No. _____

For, Messer. [**Name of Supplier**]

Bid Form 4

Note: This form is to be submitted in separate sealed envelope

Price Schedule format for Financial Bid of Purchase of Medical Equipment, Medical Furniture, Instruments And Other Hospital Supplies For Revamping Of Non-Teaching DHQ Hospitals In Khyber Pakhtunkhwa For The Financial Year 2025-26.

| S. No | Serial No. of quoted item in Statement of Requirement of the BSDs 2025-26 | Category | Name of the item | Price offered per unit in PKR Inclusive of all taxes in figures | Rate offered per unit in PKR Inclusive of all taxes in words |
|-------|--|----------|------------------|--|---|
| | | | | | |
| | | | | | |
| | | | | | |

In case of difference in price in figures and words the prices quoted in words will be considered.

Bid Form 5

INTEGRITY PACT (on Judicial Stamp Paper of minimum Rs. 100)

Declaration of Fees, Commission and Brokerage etc Payable by Manufacturers, Importers for the supply OF MEDICAL EQUIPMENT, MEDICAL FURNITURE, INSTRUMENTS AND OTHER HOSPITAL SUPPLIES FOR REVAMPING OF NON-TEACHING DHQ HOSPITALS ACROSS KHYBER PAKHTUNKHWA FOR THE FINANCIAL YEAR 2025-26.

In response to advertisement related to the bidding process / competition regarding Purchase of Medical Equipment, Medical Furniture, Instruments and Other Hospital Supplies for Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa for the Financial Year 2025-26 for the health facilities /institutions through PMIU Secondary Revamp. I, Mr. _____ s/o _____ bearing CNIC No. _____, And having the Designation of _____ In Messrs. (M/S) [Name of Supplier] do hereby solemnly Affirm, declare and certify on behalf of M/S [Name of Supplier] that:

1. [Name of Supplier] has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Khyber Pakhtunkhwa (GoKP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoKP through any corrupt business practice; and
2. That without limiting the generality of the foregoing, [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. Paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoKP, except that which has been expressly declared pursuant hereto; and
3. That [Name of Supplier] has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoKP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty; and
4. That [Name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoKP under any law, contract or other instrument, be voidable at the option of GoKP; and
5. That notwithstanding any rights and remedies exercised by GoKP in this regard, [Name of Supplier] agrees to indemnify GoKP for any loss or damage incurred by it on account of Its corrupt business practices and further pay compensation to GoKP in an amount equivalent to ten times 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 GoKP.

Signature with stamp:

Name:

Designation:

CNIC No:

Messer. [Name of Supplier]

Witness No. 1

Witness No. 2

(Signatures, name, father's name, CNIC & address of each Witness)

Bid Form 6

RATE CONTRACT AGREEMENT(Template)

(For successful bidders on Judicial Stamp Paper of minimum Rs. 1000)

THIS CONTRACT AGREEMENT is made and agreed today on day of [day], [Month], 2025-26 between the Project Director PMIU - Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa (hereinafter referred to as the Procuring Agency or the first party, which expression shall, where the context admits, be deemed to include the assignee/s of the provincial Government of Khyber Pakhtunkhwa); and **Messrs.** [Name of Bidder] through Mr. **Designation** _____ **CNIC No.** _____ (hereinafter referred to as the Supplier / Bidder or the second party or he/his, which expression, unless repugnant to the context, means and includes their legal heir/s, successors-in-interest, assignee/s and legal representative/s) that: WHEREAS the Procuring Agency has made a bidding competition for supply of (**Name of equipment, Country of origin along with model at Rs.**) machinery & equipment, instruments and other hospital supplies (hereinafter referred to as goods) for actual purchases of the selected goods to be made by the offices / officers of the PMIU Secondary Revamp, (hereinafter called the Purchasing Agency or Purchasing Agencies where the context so admits); and

WHEREAS the Supplier declares that he is not a broker, middle-man, distributor but himself a Manufacturer and / or direct Importer of goods / or Authorized dealer of manufacturer and Importer for which he has won the bidding competition for supply of goods to the Procuring Agency throughout the province of Khyber Pakhtunkhwa (hereinafter referred to as the Province) to the Purchasing Agencies; and WHEREAS both the parties have agreed that the Purchasing Agencies in the Province shall purchase all or some or none of the goods, as of details given in the Schedule -1 of this Contract Agreement, from the Supplier at the sole discretion of the individual Purchasing Agencies; and

WHEREAS the Supplier shall supply all the goods ordered by the Purchasing Agency to the latter in the quantity as mentioned in the supply order to be issued by the Purchasing Agency within the timeframe as mentioned in bidding Documents i.e., within 90 days from the date of issuance of supply order by the Purchasing Agency for items to be imported items while 60 days for locally manufactured items; Now, therefore, both the parties mutually agree to enter into this contract agreement as under:

1. The Supplier agrees to take full responsibility of the validity and implications, that may arise in future, of declaration submitted by him in the form of affidavit on judicial stamp paper along with the financial bids; and also that in case of any kind of breach of the said declaration, the Supplier shall be liable to be proceeded against by the Procuring Agency in accordance with the clauses of this Contract Agreement as well as relevant laws, rules and regulations of the Government of Khyber Pakhtunkhwa, as amended from time to time, to govern the situation/s.
2. The Supplier shall supply the ordered goods to the Purchasing Agency exactly at the address of the official premises situated within the district of the official jurisdiction of the latter as given in the supply order issued to the former.
3. The Supplier shall be solely responsible for transportation, loading and / or unloading and staking of the supplied items till and at the time of delivery to the destination indicated by the Purchasing Agency including any damage or untoward incidence, maintenance of required temperature and protection from light and other environmental conditions as well as other hazards that may possibly or potentially affect the safety, quality and efficacy of the supplied items.

4. The Supplier shall NOT claim or charge transportation, loading / unloading, labor or anyother Charges related to or in the name of logistics, accidents, insurance, freight, etc.
5. The Procuring Agency shall arrange to obtain sample/s (where needed and applicable) (Sample based item) from each supplier before ~~Final~~ of award with the successful bidder in each category (for items where presentation/submitting of samples are mandatory).
6. The Supplier will arrange demo for the physical inspection to the Procuring Agency andshall bear the associated cost.
7. The Supplier will make necessary arrangements including on job training to the end user(s)before release of final payment or damage liability period is over.
8. The Supplier will provide Service Manual, Circuit diagram and error logbook and operational Manual for the supplied goods. The successful bidders shall provide completetechnical manual and operation manual to the technical staff of PMIU.
9. In case of non-supply or delayed supply of items the Supplier shall be proceeded againstunder the relevant law of the land i.e., Procurement regime and associated country laws.
10. The Purchasing Agency shall recommend to the Procuring Agency for taking legal / lawful action against the Supplier regarding non-supply, short supply, substituted supply, delayed supply or any other unlawful action / shortcoming, on the part of Supplier duringthe execution of this contract agreement. The Procuring Agency shall take lawful / legal action against the Supplier in accordance with the clauses of this contract agreement as well as relevant laws, rules and regulations of the Government of Khyber Pakhtunkhwa, as amended from time to time, to govern suchlike situation/s, which may include, but notlimited to, blacklisting, forfeiture of earnest money and performance guarantee, etc.
11. The Supplier agrees to the following conditions related to packing, packaging and labeling of the goods to be supplied to Purchasing Agencies under this contract agreement:
12. The Procuring Agency or its representative shall have the right to inspect the manufacturing facility, premises, warehouse, go-down, laboratories etc. at any time during the financial year 2015-16 and/or till the execution of supply orders given under this contract agreement
13. PERFORMANCE GUARANTEE: Upon receipt of supply order from the Purchasing Agency, the Supplier shall submit Performance Guarantee to the former, amounting to ten per cent (10%) of the total value of each individual supply order, which shall be returned to the Supplier upon request after the successful finalization of the process of procurement till warranty period.
14. WARRANTY: The supplier shall provide warranty on prescribed form in Bidding Documents to the Purchasing Agency for each item supplied in response to supply orders.
15. PAYMENT SCHEDULE: Bill for payment in triplicate along with all other relevant andrequired documents shall be submitted by the Supplier, to the Procuring Agency immediately after complete supply of stock. The Supplier shall be bound to pay all sortsof government taxes, duties and stamp duties, imposed earlier or during the financial yearby the Government of Pakistan or by the Provincial Government of Khyber Pakhtunkhwaon any supplied / purchased item.
16. FORCE MAJEURE:
 - a. In case of the situation related to Force Majeure, the Supplier may inform the ProcuringAgency and the Purchasing Agency in writing about the situation immediately without delay along with solid proof through the fastest, lawful and available means of communication, but not through the electronic mail, and request the Procuring Agency for

the grant of extension in the supply Period.

- b. The Procuring Agency, in case of being fully satisfied with the genuineness of situation arising from Force Majeure for the Supplier, may extend the period of supply of good up to a maximum of not more than thirty days without penalty. However, the Procuring Agency and / or Purchasing Agency shall, in no case, be responsible or held responsible for any complications in making payments to Supplier by the Purchasing Agency that may arise from the closure of financial year and lapse / surrender of public funds vis-à-vis the normal financial management procedures in public sector.
 - c. **PENALTIES: A:** The Bidder shall complete the supply of the ordered goods under this agreement within the stipulated period as laid down in the SBDs. In case of delay in supplies reaching to the Purchasing Agency, except in situation/s covered under clause 16 above, the following penalties shall be imposed by the Procuring entities upon the Bidder: i. For delay in supply from one day up to fifteen days, a lump sum penalty amounting to three per cent (03%) of the total bid price of the total number of item/s supplied late shall be levied through deducting the total amount of penalty from the total pre-tax payable billed amount by the Purchasing Agency. ii. For delay in supply from sixteen days up to thirty days, a lump sum total penalty amounting to seven per cent (07%) of the total bid price of the total number of item/s supplied late shall be levied through deducting the total amount of penalty from the total pre-tax payable billed amount by the Purchasing Agency. iii. Upon delay in supply more than thirty days, the supply contract shall stand cancelled and the ten percent performance guarantee shall stand forfeited and Procuring Agency shall have the right, duty and authority to impose any or all of the below mentioned penalties; that is
 - d. a. Forfeiting the earnest money and performance guarantee of the Bidder related to this contract agreement; and
 - e. b. Immediately debarring the Bidder from future participation and business for at least next three (03) calendar years with the Procuring entity or any other health institution, project and / or Program directly or indirectly run or implemented by or through the provincial Health Department or autonomous Medical Teaching Institutions or district governments in Khyber Pakhtunkhwa; and c. Initiating the process for and recommending for blacklisting of the Bidder with the Agencies; and d. Proceeding for de-registration of the winning bidder under the relevant laws as well as further judicial proceedings, if the situation so warrants in the opinion of Procuring Agency.
 - f. **B.** In case of delay of more than thirty days extended period as in clause 16 above, the contract shall stand cancelled and the performance guarantee of ten per cent shall stand forfeited.
 - g. **19. INDEMNITY:** a. Notwithstanding any rights, duties and / or remedial measures and / or managerial actions taken and / or to be taken and / or any powers exercised and / or to be exercised by the Procuring Agency and / or Purchasing Agency and / or Purchasing Officer/s with regard to the execution of this contract agreement, the Bidder agrees to indemnify them for any loss or damage incurred or inflicted upon by them in individual or official capacity upon the Bidder whether through any of their actions and / or practices and / or otherwise.
 - h. b. The Bidder further agrees to pay compensation to the Government of Khyber Pakhtunkhwa of an amount equivalent to ten times the sum of any commission, gratification, bribe or kickback and / or finder's fee given by the Bidder for the purpose of obtaining and / or inducing the procurement of any contract, right, interest, privilege or other obligation/s or benefit in whatsoever form, from the Procuring Agency or any of the Purchasing Agencies.
17. **RESOLUTION OF DISPUTES:** The Purchasing Agency and the Supplier shall make every effort to resolve amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the contract / supplies. Despite such negotiation if the Purchasing Agency & Supplier have been unable to resolve amicably a contract dispute, either party may refer the case to Secretary Health Khyber Pakhtunkhwa for decision

through a Dispute Resolution Committee under the chairmanship of Secretary Health Khyber Pakhtunkhwa with Project Director, PMIU Secondary Revamp and Additional Secretary Health (Development) Khyber Pakhtunkhwa as members. The decision of the Dispute Resolution Committee shall be final and binding upon both the parties.

| | |
|---|--|
| Signature: Project Director, Revamping of Non-Teaching DHQ Hospital in Khyber Pakhtunkhwa For and on behalf of Health Department, Government of Khyber Pakhtunkhwa, Peshawar | Signature: Name: Designation: CNIC No. Stamp: For and on behalf of the Bidder |
| WITNESS NO. 1 Director Procurement & Outsourcing Revamping of Non-Teaching DHQ Hospital in Khyber Pakhtunkhwa , Health Department, Government of Khyber Pakhtunkhwa, Peshawar | WITNESS NO. 2 Signature: Name: Father's Name: Address: CNIC No |

Bid Form 7

BANK GUARANTEE (Specimen)

Guarantee No. _____
Initial Date of Issue: _____
Amount of Guarantee PKR: _____
Date of expire of Guarantee: (Extendable)
Claim Lodgment Date: or later as decided by the procuring entity.

From: (Bank Name and complete address)

**To: Project Director, Revamping of Non-Teaching DHQ Hospitals in
Khyber Pakhtunkhwa.**

We “**(Bank Name)**” having its place of business at **(Address of the Bank)** and Head office **(Address of the head office)** (Hereinafter referred to as the Guarantor), understand that **Name and Address of the Bidder** (hereinafter referred to as the Customer/Bidder) as per requirement of Bid Solicitation Document (BSDs) for Purchase of Medical Equipment, Medical Furniture, Instruments and Other Hospital Supplies for Revamping of Non-Teaching DHQ Hospitals in Khyber Pakhtunkhwa for the Financial Year 2025-26, required to furnish a Bank Guarantee in respect of said BSDs for an amount of **Rs. In figure /- (PKR in words)** for **(Name of the Customer/Bidder)**.

Now therefore in consideration of the above, we the Guarantor, guarantee unconditionally the due payment to you unconditionally upon demand of such sum or sums not exceeding **Rs. In figures /- (PKR in words)** in the event that Customer/Bidder fail to perform or fulfill any of the terms and conditions of the BSDs at the time or during the period specified in the guarantee, provided that any such demand here under is received in writing at this office within the validity of this Guarantee period accompanied by your written declaration to us that the Customer/Bidder has failed to comply with the terms of the conditions/Regulations and such declaration shall be accepted by us as conclusive proof that the amount claimed is due to you and we shall pay you the amount under this Guarantee. Our liability under this guarantee shall not be affected by any dispute or difference between you and the Customer/Bidder or by forbearance or indulgence granted by you to the Customer/Bidder or by any other security held by you from the Customer/Bidder relating to the above-mentioned Regulations or any violation in the Regulations or any other manner or thing which might affect our liability hereunder.

Notwithstanding anything contrary contained herein above, our maximum liability under this guarantee shall not in any case exceed **Rs. In figures /- (PKR in words)**. This guarantee shall remain valid up to till end of contract period as per mentioned in BSD **(or later as may be decided by the procuring entity)**. Any claims under this guarantee must be received in writing along with the original bank guarantee and all the amendments if any, on or before expiry of this guarantee as per BSD. After which date this guarantee will become automatically void and bank will be absolved of its liability under this guarantee whether or not the original is returned to us for cancellation. This agreement shall be governed by and construed in accordance with the laws of Pakistan.

For and on behalf of (Bank Name)

Authorized Person Signature with Stamp/Seal