Bidding Documents
For the Tender of

"BIOMEDICAL EQUIPMENT AND MACHINARY FOR THE "KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE AND ALLIED INSTITUTION

[For the Financial Year 2025-2026]

KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE AND ALLIED INSITUTIONS

Note: All assessments and procuring procedure i.e. receiving, opening and awarding etc. shall be governed by the Punjab Procurement Rules-2014 (amended till to date). In case of any conflict between Bidding Documents and PPRA Rules 2014, the rules shall prevail.

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Section-I: Invitation to Bids

TENDER NOTICE

INVITATION FOR BIDS

KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE & ALLIED INSTITUTIONS, SIALKOT

The Procuring Agency, Khawaja Muhammad Safdar Medical College & Allied Institutions, Sialkot, invites bids through E-PADS, in accordance with PPRA Rules 2014 (amended up to date), from eligible bidders including manufacturers and sole distributors in Pakistan. All bidders must be registered with the Income Tax and Sales Tax authorities. This invitation pertains to the procurement of biomedical equipment.

Sr. No	Name of Tender	Estimated cost	Pre-Bid Meeting will be held on	Bid Security/Pay Order/ Call Deposit	Last Date/Time for E-bid Submission	Date & Time of Opening
01	Biomedical Equipment (detailed list of equipment is attached with the bidding documents)	350 Million	16-09-2025 10:00 am	2% of the estimated quoted price	27-09-2025 at 11:00 a.m.	27-09-2025 at 11:30 a.m.

Note: All the procurement will be done through E-PADS, and manual bids will not be accepted.

1. All the procurement's will be made by using electronic means through EPADS under Rule 12 of PPRA and Section 5 of Punjab Electronic Procurement Regulations 2022 (amended up to date). The bidding documents containing all terms & conditions, requirements, specifications etc. can be downloaded online at PPRA i.e. www.ppra.punjab.gov.pk and EPADS website i.e. http://punjab.eprocure.gov.pk before closing date and time. Bidding documents in accordance with Rule 25 (2) may be available immediately after the date of publication under rules 25 (1) on PPRA website and EPADS in accordance with sub regulation-4 of Punjab Procurement Regulation 2022(amended up to date).
2. A pre-bid meeting will be held on 16th September, 2025 at 10:00 AM in the Committee Room of KMSMC&AI Sialkot. Bidders seek clarification(s) must upload their queries on the EPADS and minutes of pre-bid meeting will be uploaded on the website of department as well as on EPADS.
3. Bids shall only be submitted through E-PADS (htips://punjab.eprocure.gov.pk).
4. E-Bids shall contain Technical offer and Financial offer (inclusive of all taxes) and in complete conformity with bidding documents must be uploaded online on the E-Procurement System (E-PADS) website.
5. Single stage, two-envelope bidding procedure as per 38(2)(a) PPRA Rules 2014 (amended up to date) shall be applied for this Tender enquiry. Both bids to be submitted through E-PADS.
6. Bid validity period is 180 days.
7. The bidder shall attach an unhidden photocopy of 2% bid security of the quoted estimated cost,in the form of a Call Deposit Receipt (CDR), Bank Guarantee, or Bank Draft. The original must be submitted to the Purchase Cell of KMSMC&AI Sialkot before the tender's closing date.
8. The contractor is responsible for paying any applicable taxes imposed by both federal and provincial governments.
9. All pages of both the Technical and Financial Bids should be numbered sequentially (i.e., 1, 2, 3 etc.).
10. In case the date of opening is declared as the public holiday by the Government or non-working day due to any reason the next official working day shall be deemed to be the submission and opening of tenders accordingly, the time and venue shall remain the same.
11. Right to Reject Bids: The Committee reserves the right to accept or reject one or all tenders, and such decisions will not be subject to legal challenges.

Note: All assessments and procuring procedures i.e. receiving, opening and awarding etc. shall be governed by the Punjab Procurement Rules, 2014 amended up to date.

PRINCIPAL
Govt. Khawaja Muhammad Safdar
Medical College & Allied Institution, Sialkot
Phone No. 052-9250735-38

ADVERTISEMENT

Punjab Procurement Rules - 2014 are amended vide Notification No. SO(CAB-I)2—9/2015 dated 20.09.2024.

1. Bid Document & Invitation to Bid uploaded on e-PADS. The Advertisement in Newspaper is not required as it is omitted in recent amendments in Punjab Procurement Rules - 2014 (Rule 12(sub-rule 2) of PPR-2014 Omitted vide above notification)

2. The bidder shall download the bidding documents from website of the authority and participate in the procurement process without paying any cost or fee Rule 25 (7) of PPR-2014 (Amended)

Section-II: Instructions to Bidders (ITB)

Note: - All the procurement procedures shall be conducted in accordance with Punjab Procurement Authority Act-2009 and Punjab Procurement Rules-2014. In case of any conflict between the provision of this document and PPRA Act-2009/ PPRA Rules-2014, the later shall prevail.

2.1. Introduction

2.1.1 Scope of Bid

i) The Procuring Agency (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the provision of Goods as specified in the Section-IV Bid Data Sheet (BDS) and Section III - Technical Specifications & Section VII- Schedule of Requirements. The successful Bidders will be expected to deliver, install/ commissioning (where applicable) the goods within the specified period and timeline(s) as stated in the BDS.

2.1.2 Source of Funds

i) The Procuring Agency named in the Bid Data Sheet has received a budget from the Government of Punjab. The Procuring Agency intends to apply the provided funds/ a portion of this budget to make eligible payments under the contract for which the Invitation for bids has been issued.

2.1.3 Eligible Bidders

i) This Invitation for Bids is open to all original Manufacturers / Sole Agent of Foreign Manufacturer in Pakistan/ Punjab for supply of goods. Whereas Distributor of Authorized Exclusive Distributor of Manufacturer is not allowed to participate in bid.

ii) The bidder must possess valid legally enforceable exclusive authorization from the Foreign Manufacturer; they should have a documentary proof to the effect that they are the original Manufacturer of the required goods.

iii) 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.

2.1.4. Eligible Goods and Services

i) All goods and related services to be supplied under the Contract shall have their origin in eligible source countries, defined in the *Bid Data Sheet (BDS/Technical Specification)*, and all expenditures made under the contract will be limited to such goods and related services.

ii) 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 is obtained that is substantially different in basic characteristics or in purpose or utility from its components.

iii) The origin of goods and services is distinct from the nationality of the Bidder. *In any case, the requirements of*

Rules 10 & 26 of PPR-14 shall be followed.

2.1.5. Cost of Bidding

i) 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.

2.1.6. One person one bid

i) As per Rule 36A of Punjab Procurement Rules 2014, a Bidder shall submit only one Bid in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

ii) No Bidder can be a sub-contractor while submitting a Bid individually or as a member of a joint venture in the same Bidding process.

iii) A Bidder, if acting in the capacity of subcontractor in any Bid, shall not submit bid for the same.

2.2. The Bidding Documents

2.2.1. Content of Bidding Documents

i) The goods required, Bidding procedures, and contract terms are prescribed in the Bidding documents. The Bidding documents, inter alia, include:

(a) Request for Proposal
(b) Instructions to Bidders (ITB)
(c) Technical Specifications
(d) Bid Data Sheet
(e) General Conditions of Contract (GCC)
(f) Special Conditions of Contract (SCC)
(g) Schedule of Requirements
(h) Bid Forms
(i) Manufacturer′s Authorization Form
(j) Bidder Profile Form
(k) General Information Form
(l) Affidavit
(m) Bid Security Form
(n) Technical Bid Form
(o) Specification compliance Form
(p) Contract Form
(q) Financial Bid Form / Price Schedule
(r) Performance Guarantee Form
(s) Check List

ii) The Bidder is required to examine all instructions, forms, terms, and specifications in the Bidding documents. Failure to furnish all information as required by the Bidding documents or to submit a Bid not responsive to the Bidding documents in every respect will be at the Bidder′s risk and may result in the rejection of its Bid.

iii) In case of discrepancies between the Invitation to Bid and the Bidding Documents listed in ITB 2.2.1 (i) above, the said Bidding Documents, not in conflict with any provision of PPR-14, will take precedence.

iv) The Procuring Agency is not responsible for the completeness of the Bidding Documents and their addenda, if they were not obtained directly from the Procuring Agency or from its website or website of PPRA. Re-confirming from the Procuring Agency that all pages/ contents have been properly and clearly received is the prime responsibility of the Bidder.

2.2.2. Clarification of Bidding Documents

i) A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency in writing or by E-PADS portal at the Procuring Agency's address indicated in Invitation to Bid/ Tender Notice/ Advertisement. The Procuring Agency will respond in writing to any request for clarification of the Bidding documents which it receives no later than seven (7) 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) will be sent to all prospective Bidders that have received the Bidding documents.

ii) A prospective Bidder requiring any clarification of the Bidding Documents may notify the Procuring Agency in writing or in electronic form that provides a record of the content of communication at the Procuring Agency's address indicated in the BDS.

iii) The Procuring Agency will within three (3) working days after receiving the request for clarification, respond in writing or in electronic form to any request for clarification provided that such request is received not later than seven (7) days prior to the deadline for the submission of Bids. As prescribed in ITB 2.2.2 (i), above. However, this clause shall not apply in case of alternate methods of Procurement.

iv) Copies of the Procuring Agency's response as prescribed in clause ITB 2.2.2 (iii), above will be uploaded on the website of the procuring agency. The prospective bidders are advised to visit the website of the procuring agency regularly for any clarification issued by the procuring agency vide ITB 2.2.2 (iii), above.

v) Should the Procuring Agency deem it necessary to amend the Bidding Documents as a result of clarification, it shall do so following the procedure under ITB 2.2.3.

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

vii) Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the

responses given, together with any responses prepared after the meeting will be transmitted promptly to all prospective Bidders who have obtained the Bidding Documents and by uploading same on the website of the procuring agency. Any modification to the Bidding Documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITB 2.2.3. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

2.2.3. Amendment of Bidding Documents

i) At any time prior to the deadline for submission of Bids, but not later than three (3) days before the closing date of the submission of Bid, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding documents by amendment. Any such change/amendment in the Bidding documents shall be provided in a timely manner, preferably through electronic means also, not later than three (3) days, and on an equal opportunity basis as per Rule-25(3) OR Rule 25(4) of PPR-14 as the case may be.

ii) In order to allow prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency, at its discretion, may extend the deadline for the submission of Bids, as per rule 29 of PPR-14, in the manner similar to the original advertisements, so as to avoid any inconvenience and to doubly ensure level playing field for all prospective bidders.

2.3. Preparation of Bids

2.3.1. Language of Bid

i) 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 same language.

2.3.2. Bid Form

i) The Bidder shall complete the Bid Form, and the appropriate Price Schedule (Financial Bid) furnished in the Bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, Qty, and prices.

2.3.3. Bid Prices

i) The Bidder shall indicate on form 8.10 the unit prices (where applicable) and total Bid price of the goods it proposes to supply under the contract.

ii) Prices indicated on the Price Schedule shall be as per prescribed format given in financial bid form / Price schedule (***form 8.10).***

iii) The Bidder's separation of price components in accordance with ITB Clause 2.3.3(ii) 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.

iv) 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 non-responsive and may be rejected.

2.3.4. Bid Currencies

i) Prices shall be quoted in PKR as well US Dollar (US$), UK Pound (£), Euro (€), Japanese yen (¥) and Swiss franc (CHF) unless otherwise specified in the Bid Data Sheet.

2.3.5. Documents Establishing Bidder's Eligibility and Qualification

i) Pursuant to ITB Clause 2.1.3, 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.

ii) 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 eligible as defined under ITB Clause 2.1.3.

iii) 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 *[Manufacturer's Authorization Form No. 8.3]* or producer to supply the same in Pakistan.

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

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

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

i) Pursuant to ITB Clause 2.1.4, the Bidder shall furnish, as part of its Bid, documents establishing the eligibility and conformity to the Bidding documents of all goods and related services which the Bidder proposes to supply under the contract.

ii) The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule/Financial Bid Form 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.

iii) The documentary evidence of conformity of the goods and services to the Bidding documents (if required) may be in the form of literature, drawings, data and shall consist of:

2.3.2. a detailed description of the essential technical and performance characteristics of the goods.

2.3.3. 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

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

iv) For purposes of the commentary to be furnished, 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.

v) Where a sample(s) is required by a procuring agency, the sample shall be:
(a) submitted as prescribed in the BDS.
(b) carriage paid.
(c) received on, or before, the closing time and date for the submission of bids; and
(d) Evaluated to determine compliance with all characteristics listed in the BDS.

{However, the procuring agency may also opt to ask for samples after submission of technical bids (where require)}

vi) The Procuring Agency may retain the sample(s) of the successful Bidder till the successful delivery of the goods. A Procuring Agency may reject the Bid if the sample(s)-

(a) do(es) not conform to all characteristics prescribed in the bidding documents; and
(b) is/are not submitted within the specified time clearly mentioned in the Bid Data Sheet.

vii) Where it is not possible to avoid using a propriety article as a sample, a Bidder shall make it clear that the propriety article is displayed only as an example of the type or quality of the goods being Bided for, and that competition shall not thereby be limited to the extent of that article only.

viii) Samples made up from materials supplied by a Procuring Agency shall not be returned to a Bidder nor shall a Procuring Agency be liable for the cost of making them.

ix) All samples produced from materials belonging to an unsuccessful Bidder may be kept by the Procuring Agency

till thirty (30) days from the date of award of contract or exhaust of all the grievance forums (including those pending at Authority's Level or in some Court of Law).

x) Pursuant to the requirements as indicated in ITB 2.3.6, the Bidder shall furnish, as part of its Bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the Bidding Documents for all goods and related services which the Bidder proposes to deliver.

xi) The Bidder shall also furnish a list giving full particulars, including available sources and current prices of goods, spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in the BDS following commencement of the use of the goods by the Procuring Agency.

xii) The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation attested by the embassy in country of manufacturer into English shall be attached to the original version.

2.3.7. Bid Security

i) The Bidder shall furnish, as part of its Bid, a Bid security in the amount specified in the Bid Data Sheet.

ii) 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 2.3.8. (vii).

iii) The Bid security shall be in Pakistan Rupees and shall be in one of the following forms:

(a) Bank Guarantee, Bank call-deposit (CDR), Demand Draft (DD), Pay Order (PO) or Banker's cheque valid for thirty (30) Days, beyond the prescribed Bid validity period in BDS.

iv) Any Bid not secured in accordance with ITB Clauses 2.3.8 (i) and (ii) may be rejected by the Procuring Agency as non-responsive.

v) Unsuccessful Bidders' Bid security will be discharged or returned as promptly as possible, upon written request, after the expiration of the period of Bid validity prescribed by the Procuring Agency pursuant to ITB Clause 2.3.8 (ii) or along with unopened financial proposal as per rule 38(2)(a)(vii) of PPR-14, which shall take precedence, and is as under:

—38(2)(a)(vii) the financial proposal of the Bids found technically non-responsive shall be retained unopened and shall be returned on the expiry of the grievance period or the decision of the complaint, if any, filed by the non-responsive Bidder, whichever is later:

provided that the Procuring Agency may return the sealed financial proposal earlier if the disqualified or non-responsive Bidder, contractor or consultant submits an

affidavit, through an authorized representative, to the effect that he is satisfied with the proceedings of the Procuring Agency".

vi) The successful Bidder's Bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 2.6.1, and furnishing the Performance Guarantee, pursuant to ITB Clause 2.6.2.

vii) 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:

i. Fails to sign the contract in accordance with ITB Clause 2.6.3; or

ii. Fails to furnish Performance Guarantee in accordance with ITB Clause 2.6.2; or

iii. If the blacklisting proceedings under Section-17A of PPRA Act, 2009 read with Rule-21 of PPR-14 are initiated and the bidder is declared blacklisted after due process of law.

2.3.8. Period of Validity of Bids

i) Bids shall remain valid for the period specified in the Bid Data Sheet after the date of Bid opening prescribed by the Procuring Agency. A Bid valid for a shorter period may be rejected by the Procuring Agency as non-responsive.

ii) In exceptional circumstances, the Procuring Agency may solicit the Bidder's consent to an extension of the period of validity (as per rule-28 of PPR-14). The request and the responses thereto shall be made in writing (or by email). The Bid security provided under ITB Clause 2.3.8 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security. A Bidder accepting the request will not be required nor permitted to modify its Bid.

2.3.9. Format and Signing of Bid

i) 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 prevail.

ii) The Bidder shall authorize a person for signing, submission and further correspondence with the Procuring Agency on behalf of the bidder. Authority letter must be part of bid. However, in case of any issue the bidder shall be responsible for all consequences.

iii) 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 duly authorized to bind the Bidder to the contract. All pages of the Bid, shall be signed and stamped by the authorized person.

iv) Any interlineation, erasures, or overwriting shall not be accepted, and such bid shall be rejected.

v) 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 duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, shall be signed and stamped by the authorized person.

vi) 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.

2.4. Submission of e-Bids

2.4.1 Sealing and Marking of Bids

i) The submission of encrypted electronic file by the bidders shall be deemed submission in ―envelope‖ or ―package‖ as mentioned in the rules.

ii) The bidder shall submit a hard copy of Financial Instrument in addition to the soft copy uploaded on the e-PADS as Bid Security (where applicable).

iii) As per Rule 24, Bidders shall submit their bids online through e-PADS. No bids submitted manually shall be accepted, except for and if so, specified clearly in the BDS the samples or any other items such as product catalogues, drawings which are not available in soft copies or not scan able for submission online.

iv) Where Bid Security and/or bulky documents referred to in the preceding paragraph have to be submitted manually they shall be forwarded to the Office of the Procuring Agency's address before the designated time and date scheduled for Bid Submission (bid preparation and submission), as specified in the BDS.

v) Bidders shall follow the Punjab Procurement Rules – 2014 (Amended) & Punjab Procurement Regulations 2024 for online submission of e-bid.

vi) Any envelope or parcel containing the Bid Security / samples / catalogues/documents, where applicable, shall:

(a) bear the name and address of the Bidder;

(b) be addressed to the Purchaser in accordance with ITB Sub-Clause 2.4.2;

(c) bear the specific identification of this bidding process indicated in ITB 2.1.1 and any additional identification marks as specified in the BDS, and

vii) In case an e-bid or e-proposal including entries and record submitted e-PADS is found corrupt, unreadable or contains virus, the e-bid or e-proposal shall be rejected.

2.4.2 Deadline for Submission of Bids

i) Bid preparation and its submission must be executed online within time specified in the BDS. Bid Security in its original format and other items, if allowed by the

Purchaser, must be submitted to the Purchaser at latest by the same time and date, and at the place specified in the BDS.

ii) The Purchaser may, at its discretion as per Rule 29 of PPR-2014, extend the deadline for the e-bid submission by amending the Bidding Documents in accordance with ITB Clause 2.2.2 & 2.2.3, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

2.4.3. Late Bids

i) Any Bid Security / samples / catalogues/documents, (where applicable) received by the Procuring Agency after the deadline for e-submission of Bids prescribed by the Procuring Agency pursuant to ITB Clause 2.4.2, such e-bid will be rejected.

ii) The Procuring Agency shall not consider for evaluation any Bid Security / samples / catalogues/documents, where applicable (where applicable) that arrives after the deadline for submission of Bids.

2.4.4. Modification and Withdrawal of Bids

i) The Bidder shall be allowed to alter or modify his e-bid or proposal before the closing date for submission of e-Bid or e-Proposal.

ii) Since the e-Procurement System allows modifications / substitutions of Bid Data and attachments by the Bidders up to the last date and time set for e-bid submission, Bidders are allowed to rework on their bids as many times as required. However, after the set deadline, the start date and time of closing, the time-lock feature of the e-Procurement system will not allow Bidders to modify / substitute their bid data and attachments in any way.

iii) No bid may be withdrawn, substituted or modified in the interval between the deadline set for Bid submission and the expiration of the period of bid validity or any extension thereof. Withdrawal of a Bid during this interval may result in the Bidder's forfeiture of its Bid security (along with other remedies available under PPR-14), pursuant to the ITB Clause 2.3.8 (vii).

2.5. Opening and Evaluation of Bids

2.5.1. Opening of Bids by the Procuring Agency

i) The Procuring Agency will open all Bids online, in public, in the presence of Bidders' or their representatives who choose to attend, and other parties with a legitimate interest in the Bid proceedings at the place, on the date and at the time, specified in the BDS. The Bidders' representatives present shall sign a register/attendance sheet as proof of their attendance.

ii) The Bids shall be opened one at a time, in case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Procurement

Evaluation Committee.

iii) In case of Single Stage Two Envelope Procedure, the Procuring Agency will open the Technical Proposals in public at the address, date and time specified in the BDS in the presence of Bidders` designated representatives who choose to attend and other parties with a legitimate interest in the Bid proceedings. The Financial Proposals will remain unopened until the specified time of their opening.

iv) The envelopes holding the Technical Proposals shall be opened online one at a time, and the following read out and recorded: (a) the name of the Bidder; (b) the presence of a Bid Security, if required; and (c) Any other details as the Procuring Agency may consider appropriate.

v) Bidders are advised to send a representative with knowledge of the content of the Bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the Bidder's representative shall indemnify the Procuring Agency against any claim or failure to read out the correct information contained in the Bidder's Bid.

vi) No Bid will be rejected at the time of Bid opening except for late Bids which will be returned unopened to the Bidder, pursuant to 2.4.3 (i).

vii) The Bidders' representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder's signature on the record shall not invalidate the contents and affect the record.

viii) Minutes of the Financial Bid Opening shall be recorded and uploaded by the procuring agency on its website or shared to all bidders through e-mail.
[if Procuring Agency opts for single stage one envelope procedure as per rule 38(1) of PPR-14, clause (vi) to (xiii) should be formulated accordingly by the procuring agency.]

Explanation: The decryption of encrypted electronic file shall be deemed opening of the bid as mentioned in the rules.

2.5.2. Confidentiality

i) Information relating to the examination, clarification, evaluation and comparison of Bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report in accordance with the requirements of rule 37 of PPR-14.

ii) Any effort by a Bidder to influence the Procuring Agency processing of Bids or award decisions may result in the rejection of its Bid.

iii) Notwithstanding ITB Clause 2.2.2 from the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Procuring Agency on any matter related to the Bidding process, it should do so in writing or in electronic forms that provides record of the content of communication.

2.5.3. Clarification of Bids

i) As per rule 33(2) of PPR-14, to assist in the examination, evaluation and comparison of Bids and post-qualification of the Bidders, the Procuring Agency may, at its discretion, ask any Bidder for a clarification of its Bid including breakdown of prices to determine its reasonability. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Agency shall not be considered.

ii) The request for clarification and the response shall be in writing or in electronic forms that provide a record of the content of communication. In the case of Single Stage Two Envelope Procedure, no change in the prices or substance of the Bid shall be sought, offered, or permitted. Whereas in the case of Single Stage One Envelope Procedure, only the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of Bids should be sought in accordance with ITB Clause 2.5.6.

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

a) Evaluation & qualification criteria;
b) Required scope of work or specifications;
c) All securities requirements;
d) Tax requirements;
e) Terms and conditions of bidding documents.
f) Change in the ranking of the Bidder

iv) From the time of Bid opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bid it should do so in writing or in electronic forms that provide record of the content of communication.

2.5.4. Preliminary Examination

i) 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.

ii) Arithmetical errors will be rectified on the following basis: -

a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and Qty, 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 may be rejected, and its Bid security may be

forfeited.

b. If there is a discrepancy between words and figures, the amount in words will prevail.

iii) Prior to the detailed evaluation, the Procuring Agency will determine the responsiveness of each Bid to the Bidding documents, pursuant to ITB Clause 2.5.5. For the purposes of these Clauses, a 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 2.3.8), Applicable Law (GCC Clause 30), Taxes and Duties (GCC Clause 32) & mandatory Registrations/ Renewals 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.

iv) If a Bid is not responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

v) Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

a) Meets the eligibility criteria defined in ITB 2.1.3 and ITB 2.1.4;
b) Has been prepared as per the format and contents defined by the Procuring Agency in the Bidding Documents;
c) Has been properly signed;
d) Is accompanied by the required securities; and
e) Is responsive to the requirements of the Bidding Documents.

The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

2.5.5. Examination of Terms and Conditions; Technical Evaluation

i) The Procuring Agency shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.

ii) The Procuring Agency shall evaluate the technical aspects of the Bid submitted to confirm that all requirements specified in Section III-Technical Specifications, Section VII – Schedule of Requirements & Evaluation Criteria as provided in BDS, have been met without material deviation or reservation.

iii) If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not responsive in accordance, it shall reject

the Bid.

2.5.6. Correction of Errors

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

a) If there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and Qty, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;

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

c) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

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

ii) The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors. The concurrence of the Bidder shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited, or the Bid Securing Declaration may be executed in accordance with ITB 2.3.8.

2.5.7. Conversion to Single Currency

i) As per rule 32(2) of PPR-14, to facilitate evaluation and comparison, the Procuring Agency will convert all Bid prices expressed in the amounts in various currencies in which the Bid prices as follows:

For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate, prevailing on the date of opening of bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day, in case of holiday in State Bank of Pakistan on the day of opening financial bids, then previous working day's ex-change rates will prevail.

2.5.8. Post-Qualification & Evaluation of Bids

i) In the absence of prequalification, the Procuring Agency will determine to its satisfaction whether the Bidder is qualified to perform the contract satisfactorily, in accordance with the evaluation criteria listed in BDS & pursuant to ITB Clause 2.1.3.

ii) The determination will take into account the Bidder's financial, technical, and production/ supplying 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 2.3.6, as well as such other

information required for eligibility/qualification expressed in Bid Data Sheet as the Procuring Agency deems necessary and appropriate.

iii) The Procuring Agency will technically evaluate and compare the Bids which have been determined to be responsive, pursuant to ITB Clause 2.5.5, as per Technical Specifications required.

iv) The financial evaluation of a Bid will be on the basis of form of Price Schedules/ Financial Bid Form 8.10 to be decided by the Procuring Agency which must include clear cut instruction regarding item wise or package wise evaluation inclusive of prevailing taxes, duties, fees etc.

2.5.9. Contacting the Procuring Agency

i) Subject to ITB Clause 2.5.3, 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 evaluation report is made public i.e. 10 days before the contract is awarded. If the Bidder wishes to bring additional information or has grievance to the notice of the Procuring Agency, it should do so in writing.

ii) Any effort by a Bidder to influence the Procuring Agency during Bid evaluation or Bid comparison may result in the rejection of the Bidder's Bid.

2.5.10. Grievance Redressal

i) The Procuring Agency shall constitute a Grievance Redressed Committee (GRC) comprising of odd number of persons with proper powers and authorizations, to address the complaints of the bidders that may occur prior to the entry into force of the procurement contract.

The committee may;

a) decide the complaint lodge by any bidder before the proposal submission date;
b) set aside the decision of technical evaluation committee;
c) Uphold the decision of technical evaluation committee;
d) modify the decision of technical evaluation committee; and
e) recommends scrapping of procurement process with reasons to be recorded in writing.

ii) Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances within five days of announcement of the technical evaluation report and ten days after the issuance of final evaluation report.

iii) In case the complaint is filed after the issuance of final evaluation report, the complaint cannot raise any objection on technical evaluation of the report.

Provided that detailed technical evaluation report is has

been uploaded on the website of the Authority:

Provided further that the complaint may raise the objection on any part of the final evaluation report in case where single stage single envelope bidding procedure is adopted.

iv) The committee shall investigate and decide the complaint within fifteen days of the receipt of the complaint.

2.6. Award of Contract

2.6.1. Notification of Award

i) Prior to the expiration of the period of Bid validity, the Procuring Agency will notify the successful Bidder in writing by registered letter and by email to be confirmed in writing by registered letter, that its Bid has been accepted. In order to save time, the successful bidder through authorized representative can also receive the notification of award from procuring agency.

ii) The notification of award will constitute the formation of the Contract.

iii) Upon the successful Bidder ′ s furnishing of the Performance Guarantee pursuant to ITB Clause 2.6.2 (i), the Procuring Agency will promptly notify each unsuccessful Bidder and will discharge its Bid security, pursuant to ITB Clause 2.3.8 (v).

2.6.2. Performance Guarantee

i) Within seven (07) days of the receipt of notification of award from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in accordance with the Conditions of Contract, in the Performance Guarantee Form provided in the Bidding documents, or in another form acceptable to the Procuring Agency.

ii) Failure of the successful Bidder to comply with the requirement of ITB Clause (i) above or ITB Clause 2.6.3 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security along with other remedies available under PPR-14. After that, the Procuring Agency may decide to award the contract to the next lowest evaluated Bidder, keeping in view the Bid validity time, or call for new Bids keeping in view the concept of value for money as defined under rule-2(ae) read with Principles of Procurement as enunciated in rule-4 of PPR-14.

2.6.3. Signing of Contract/ Issuance of Purchase Order

i) 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 or will issue the purchase order *[as the case may be]*.

ii) Under rule-63 of PPR-14, where the Procuring Agency requires formal signing of contract, within seven (07) days of receipt of the Contract Form, the successful Bidder shall

sign and mention date of the contract and return it to the Procuring Agency.

iii) Subject to sub-clause ii above, the contract is to be made on stamp paper(s) worth of Rs. @ 25 paisa per every one hundred rupees of the total value of the contract, under section 22(A)(B) of schedule 1 of Stamp Duty Act 1899 read with Finance Act 1995 (Act-VI of 1995) Notification No. JAW/HD/8-21/77 (PG) dated 1st January 2014, which will be borne by the supplier.

iv) Where no such formal signing is required by the procuring agency, the procuring agency shall issue the purchase order after the receipt of the required performance guarantee, as per rule 55 of PPR-14.

2.6.4. Award Criteria

i) Subject to ITB Clause 2.6.2, under rule-55 of PPR-14, the Procuring Agency will award the contract to the successful Bidder whose Bid has been determined to be responsive and has been determined to be the lowest evaluated Bid, provided that the Bidder has been determined to be qualified to perform the contract satisfactorily.

2.6.5. Procuring Agency's Right to Vary Quantities at Time of Award

i) The Procuring Agency reserves the right at the time of contract award to increase or decrease the Qty of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions, on the analogy of rule-59 (c)(iv) of PPR-14 (not more than 15%).

2.6.6. Procuring Agency's Right to Accept or Reject All Bids

i) As per rule 35 of PPR-14, the Procuring Agency reserves the right to accept or reject all Bids or proposals (and to annul the Bidding process) at any time prior to the acceptance of any Bid or proposal, without thereby incurring any liability towards the Bidders.

ii) The Bidders shall be promptly informed about the rejection of the Bids, if any

iii) The Procuring Agency shall upon request communicate to any Bidder the grounds for its rejection of all Bids or proposals but shall not be required to justify those grounds.

2.6.7. Re-Bidding

i) If the Procuring Agency rejects all the Bids under rule 35, it may proceed with the process of fresh Bidding but before doing that it shall assess the reasons for rejection and may, if necessary, revise specifications, evaluation criteria or any other condition for Bidders.

2.6.8. Corrupt or Fraudulent Practices

i) The Procuring Agency Bidders, Suppliers, and Contractors observe the highest standard of ethics during the procurement and execution of contracts.

—Corrupt practices‖ in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009, which is as follows:

"(d) "corrupt practice" means the offering, giving, receiving,

or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a Contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, noncompetitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

i. *Coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;*
ii. *Collusive practice by arrangement between two or more parties to the procurement process or Contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;*
iii. *Offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;*
iv. *Any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;*
v. *Obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a Contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit process."*

ii) Blacklisting & Debarment:

Blacklisted Consultants and those found involved in ―Corrupt Practices‖ are not allowed to participate in bidding.

Requirements & Procedure for Blacklisting & Debarment:

As per S-17A of PPRA, Act, 2009:

―17A. Blacklisting*. – (1) A procuring agency may, for a specified period and in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of the procuring agency, if the bidder or Contractor indulges in corrupt practice or any other*

prescribed practice.

(2) *The Managing Director may, in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of all or some of the procuring agencies for a specified period.*

(3) *Any person, aggrieved from a decision of a procuring agency, may within the prescribed period prefer a representation before the Managing Director.*

(4) *A procuring agency or any other person, aggrieved from a decision of the Managing Director, may within prescribed period prefer a representation before the Chairperson whose decision on such representation shall be final.]*

As per rule 21 of PPR-14:

***21. Blacklisting**. –(1) A procuring agency may, for a specified period, debar a bidder or Contractor from participating in any public procurement process of the procuring agency, if the bidder or Contractor has:*

(a) acted in a manner detrimental to the public interest or good practices;

(b) consistently failed to perform his obligation under the Contract;

(c) not performed the Contract up to the mark; or

(d) indulged in any corrupt practice.

(2) If a procuring agency debars a bidder or Contractor under sub-rule (1), the procuring agency:

(a) shall forward the decision to the Authority for publication on the website of the Authority; and

(b) may request the Authority to debar the bidder or Contractor for procurement of all procuring agencies.

(3) The Managing Director may debar a bidder or Contractor of any procuring agency from participating in any public procurement process of all or some of the procuring agencies for such period as the Managing Director may determine.

(4) Any person aggrieved by a declaration made under rule 20 or a decision under sub-rule (1) of this rule may, within thirty days from the date of the publication of the information on the website of the Authority, file a representation before the Managing Director and the Managing Director may pass such order on the representation as he may deem fit.

(5) Any person or procuring agency aggrieved by an order under sub-rule (3) or (4) may, within thirty days of the order, file a representation before the Chairperson and the Chairperson may pass such order on the representation as he may deem appropriate.

(6) The mechanism or process for barring a bidder or Contractor from participating in procurement process of a

procuring agency, procuring agencies and a representation under this rule is specified in the Schedule appended to these rules.

As per Schedule appended with PPR-14:

SCHEDULE

see sub-rule (6) of rule 21

BLACKLISTING MECHANISM OR PROCESS

1. *The procuring agency may, on information received from any resource, issue show cause notice to a bidder or Contractor.*
2. *The show cause notice shall contain:*
   - *(a) precise allegation, against the bidder or Contractor;*
   - *(b) the maximum period for which the procuring agency proposes to debar the bidder or Contractor from participating in any public procurement of the procuring agency; and*
   - *(c) the statement, if needed, about the intention of the procuring agency to make a request to the Authority for debarring the bidder or Contractor from participating in public procurements of all the procuring agencies.*
3. *The procuring agency shall give minimum of seven days to the bidder or Contractor for submission of written reply of the show cause notice.*
4. *In case, the bidder or Contractor fails to submit written reply within the requisite time, the procuring agency may issue notice for personal hearing to the bidder or Contractor/ authorize representative of the bidder or Contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.*
5. *In case the bidder or Contractor submits written reply of the show cause notice, the procuring agency may decide to file the matter or direct issuance of a notice to the bidder or Contractor for personal hearing.*
6. *The procuring agency shall give minimum of seven days to the bidder or Contractor for appearance before the specified officer of the procuring agency for personal hearing.*
7. *The procuring agency shall decide the matter on the basis of the available record and personal hearing of the bidder or Contractor, if availed.*
8. *The procuring agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.*
9. *The procuring agency shall communicate to the bidder or Contractor the order of debarring the bidder or Contractor from participating in any public procurement with a statement that the bidder or Contractor may, within thirty days, prefer a representation against the order before the*

Managing Director of the Authority.

10. *The procuring agency shall, as soon as possible, communicate the order of blacklisting to the Authority with the request to upload the information on its website.*
11. *If the procuring agency wants the Authority to debar the bidder or Contractor from participating in any public procurement of all procuring agencies, the procuring agency shall specify reasons for such dispensation.*
12. *The Authority shall immediately publish the information and decision of blacklisting on its website.*
13. *In case of a request of a procuring agency under para 11 or representation of any aggrieved person under rule 21, the Managing Director shall issue a notice for personal hearing to the parties and call for record of proceedings of blacklisting. The parties may file written statements and documents in support of their contentions.*
14. *In case of representation of any aggrieved person or procuring agency under rule 21, the Chairperson shall issue a notice for personal hearing to the parties and may call for the record of the proceedings. The parties may file written statements and documents in support of their contentions.*
15. *In every order of blacklisting under rule 21, the procuring agency shall record reasons for blacklisting and also reasons for short, long or medium period of blacklisting.*
16. *The Authority shall upload all the decisions under rule 21, available with it, on its website. But the name of a bidder or Contractor shall immediately be removed from the list of blacklisted persons on expiry of period of blacklisting or order of the competent authority to that effect, whichever is earlier.*
17. *An effort shall be made for electronic communication of all the notices and other documents pursuant to this mechanism or process.″*

iii) Furthermore, Bidders must keep themselves aware of the provision stated in clause 5.4 and clause 24.1 of the General Conditions of Contract.

2.6.9. Qty and volume of the goods to be considered in mind *[Framework Contract Modality]*

i) While quoting the rate in a framework contract, the Bidder must consider the following facts:
   a. Certain volume and Qty of the goods as prescribed in Bid Data Sheet.
   b. The Bidder has to maintain the rates of the goods for the whole financial year.
   c. The Bidder should quote the rate as per Price Schedule/ Financial Bid form. In case of non-observance of prescribed format, Financial Bid may be rejected.

2.7 Compliance of DRAP Act 2012 and Rules framed thereunder

All relevant supplies will comply with the provision of DRAP Act 2012 and Rules framed there under, where applicable.

Section-IV: Bid Data Sheet

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

A. Introduction		
BDS Clause #	**ITB #**	**Amendments of, and Supplements to Clauses in the Instruction to Bidders**
1.	2.1.1	Name of Procuring Agency: KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE& ALLIED INSTITUTION, SIALKOT The subject of procurement is: PROCUREMENT OF BIOMEDICAL EQUIPMENT The Mode of procurement is: C&F basis & DDP basis Place of Delivery of goods: Khawaja Muhammad Safdar Medical College & Allied Institution, Sialkot. Period for delivery of goods: FY 2025-26 Mode of Procurement: DDP 90 Days Delivery Period from the date of signing of contract/Purchase order Mode of Procurement: LC 105 Days (15 days grace period on sole discretion of the Procuring Agency) Delivery Period from the date of Issuance of Letter of Credit
2.	2.1.2	Financial year for the operations of the Procuring Agency: *FY 2025-26* Name of Project: —PROCUREMENT OF BIOMEDICAL EQUIPMENT Name of financing institution: *Government of the Punjab* Name and identification number of the Contract: Bid Reference No. 01
3.	2.1.3 (iv)	Joint venture is not allowed.
4.		Ineligible country(s): All goods and related services to be supplied under the contract that are required to be imported in Pakistan shall have their origin in eligible source countries as prescribed by the commercial policies of Government of Pakistan and all expenditures made under the contract shall be limited to such goods and services.
5.	2.3.6(iii)	Demonstration of authorization by manufacturer: The bidder shall submit the authorization by manufacturer as per Form 8.3.
B. Bidding Documents		

6.	2.2.2	The address for clarification of Bidding Documents is e-PADS portal or Purchase cell- 1st floor,Khawaja Muhammad Safdar Medical College& Allied Institution, Sialkot
7.	2.2.2	Pre-Bid meeting shall be held on 16.9.2025 at 10:00 hrs. in the Committee room of Khawaja Muhammad Safdar Medical College & Allied Institution, Sialkot
8.	2.3.9	One (01) complete bid (including separate Technical Bid & Financial Bid) is required to be submitted through e-PADS.
C. Bid Price, Currency, Language and Country of Origin		
9	2.3.1	Language of the bid will be English. The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation attested by the embassy in country of manufacturer into English shall be attached to the original version.
10	2.3.4	In case of Letter of Credit (LC), Prices shall be quoted in US Dollar (US$), UK Pound (£), Euro (€), Japanese yen (¥) and Swiss franc (CHF). The total price will be calculated by converting the price to Pak Rupees. The exchange rate as notified by the state bank of Pakistan, on the date of opening of Financial Proposal will be applied for conversion. In case of DDP, Prices shall be quoted in Pakistan Rupee (PKR). Company Should be Quoted both mode:-PKR&USD, /Euro etc.
11.	2.3.4	*In the case of CIF mode, **the prices shall be quoted without all taxes & duties.*** *In case of DDP mode, The prices shall be quoted inclusive of all taxes & duties.*
12.	2.1.4 (ii)	Country of origin: As specified in Technical Specifications.
D. Preparation and Submission of Bids		
13.	2.1.3	Evaluation criteria is described in sub-section ―Bid Evaluation Criteria‖ of the Bid Data Sheet.
14.	2.3.6	Spare parts required for 10 years of operation.
15.	2.2.2	Bid shall be submitted to: Bid shall be submitted though e-PADS, Punjab
16.	2.4.2	The deadline for Bid submission is a) Day*: Monday* b) Date*: 27.09.2025* c) Time*: 11:00 hours*
17.	2.5.1	Bid opening. a) Day*: Monday* b) Date*: 27.09.2025* c) Time*: 11:30 hours* Venue: Committee Room, Khawaja Muhammad Safdar Medical College& Allied Institution, Sialkot
18.	2.6.2	The amount of Performance Guarantee is (05%) five percent of the contract value. Performance Guarantee will be in PKR.

19.	2.3.8	**Qouted Estimated Contract Price is: PKR 350 Million. The detail of each item is provided in the Schedule of Requirement. There will be 2% Bid security Original bid security (2% of estimated quoted amount) in favor of Principal, Khawaja Muhammad Safdar Medical College & Allied Institution, Sialkot in the shape of Bank Guarantee/CDR/ Bankers Cheque/Pay Order/Demand Draft (separate for each package/ lot) must be submitted physically at the below mentioned address before the date and time of submission of e-bids. Bids submitted through e-PADS shall only be entertained / accepted.**
20.	**2.3.9**	**Bid validity period after opening of the Bid is 180 days.**
21.	**2.3.9**	**Only one bid to be submitted through e-PADS.**
E. Opening and Evaluation of Bids		
22.	**2.5.1**	**The Bid opening shall take place at:** **Committee Room, Khawaja Muhammad Safdar Medical College& Allied Institution, Sialkot**
23.	**2.3.5**	**The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is: Pakistan Rupee (PKR)** **The source of exchange rate shall be *State Bank of Pakistan*** **The date of the exchange rate, if required for the purpose of comparison, shall be: the *date of financial bid opening.***
F. Bid Evaluation Criteria		

24.	2.5.8	**A. Technical Evaluation Criteria** Failure to comply with any clause of Technical Evaluation Criteria will result in —Non-Responsiveness‖ of the bidder. **Qualification:** a. Valid NTN & GST registration b. Registration with SECP/Registrar of Firms c. Undertaking / Statement on Stamp Paper of Rs. 100/- that the Party including the director, and the owners is not a subject of bankruptcy proceedings, receivership, administration receivership, or any other form of liquidation d. The bidder shall comply with all the terms & conditions of the bidding document e. Sole Agency/ Distributor Certificate for Pakistan/Province of Punjab, the bidders shall provide an Authorization Letter, However the comprehensive warranty of supplied 3rd party items will be the responsibility of the bidder. f. The bid must comply with the advertised technical specifications. Incomplete offer will straightaway be rejected. The bidder shall attach the Brochure of the quoted model. The bidder will provide viz-a-viz specification compliance sheet. g. Certificate from the manufacturer that the after sales services / backup services shall be provided jointly with the local sole agent and in case of change of local agent, they will provide the after sales services themselves or through newly appointed agent for the period mentioned from the date of commissioning. h. A Certificate from the manufacturer that the installation will be conducted in conformity with the system requirements by following the professional approach. i. The quoted model of the imported product must be available on the current official global website of the manufacturer *and* proof of its sale in the manufacturer's country must also be provided otherwise quoted product shall be considered obsolete/ redundant and will be straight away be rejected. j. Quoted model of machine should be compliant to any quality standards i.e. FDA / CE MDR/Jp MHLW)- Certificate (if applicable) – to be provided in accordance with the tender terms and conditions mentioned in the specifications **Managerial & Technical Capabilities:** k. The firm shall attach proof of managerial and technical capabilities. (Company profile details of HR etc.) l. Bidder should have ISO Certification for Quality Management Systems

		m. Bidder should have proper workshop equipped with necessary calibration and testing tools, Safety Analyzers etc. n. The bidder should have relevant inventory of spare parts. In case of requirement, Procuring Agency shall have the right to inspect the premises of bidder to inspect their Technical, previous experience of similar contracts and Managerial Capability / setups for ensuring proper after sales services. **Financial Positioning** o. Average Annual Financial Turnover of Bidder to the tune of PKR 50 million for Last Three Years (duly supported by Income Tax returns submitted to FBR) FY 2022-23 2023-24, &2024-25 **Past Performance** p. The equipment/same brand must have been installed in Pakistan, with supporting purchase orders / verifiable documentary evidence in the last 05 years. q. The bidder shall submit three (03) satisfactory performance certificates from public sector institutions within Pakistan, including at least one (01) from institutions located in Punjab, where their quoted machines are installed and operational. The bidder will submit the technical bid as per Form 8.8 Technical Bid Form. **B. Financial Bid Evaluation Criteria** i) After the 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. ii) Financial proposals shall be opened publicly in the presence of the bidders' representatives who choose to attend. The name of the bidders shall be read aloud. The financial proposal of the technically responsive bidders shall then be inspected to confirm that they have remained sealed and unopened (financial proposals of technically non-responsive Bidders shall be returned unopened). These financial proposals from technically responsive firms shall be then opened, and the total prices read aloud and recorded. iii) An incomplete bid shall be rejected. All items described in the technical proposal must be priced in the financial proposal. Items described in the technical proposal but not priced, shall be assumed to be included in the price of other items. iv) Minor oversight, clerical mistakes, other minor inconsistencies that do not alter the substances of the financial bid may be corrected by the Procuring Agency. When correcting computation errors in case of discrepancy between a partial amount and the total amount or between the words and figures, the formers will prevail. v) The bidder will quote the financial bid as per Form 8.10 Financial Bid Form / Price Schedules. vi) The price for complete Package / Tender with Warranty Period, standard accessories; detail of which is

		already mentioned in the technical specifications will be considered for determining the lowest bidder. Optional items will not be considered while determining the lowest bidder. The Procuring Agency has the right to drop optional item(s) as per their choice, where deem necessary.

G. Award of Contract

2.6.5	Percentage for Qty increase or decrease is: [*As per provision of Punjab Procurement Rules 2014*]
2.6.2	The Performance Guarantee shall be: as prescribed in BDS.
2.6.2	The Performance Security (or guarantee) shall be in the form prescribed in GCC Clause-7.3.

Section-V: 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 and related 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, maintenance & repair 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 & Services, as named in SCC.

(h) —The Procuring Agency's country‖ is the country named in SCC.

(i) —The Supplier‖ means the Bidder 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 the 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, as further elaborated in the SCC.

3.2. For purposes of this Clause, ―origin‖ means the place where the Goods were mined, grown, or produced, or from where the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product is obtained

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. In any case, the requirements of rules 10 & 26, PPR-14, shall be followed.

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 procuring agency.

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 executing 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 Guarantee

7.1. Within seven (07) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring Agency the Performance Guarantee in the amount specified in SCC/Bid Data Sheet & clause 2.6.2 of ITB.

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

7.3. As per Rule-56 of PPR-14, the performance guarantee shall be denominated in the currency of the Contract acceptable to the Procuring Agency and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring Agency's country, in the form provided in the Bidding documents or another form acceptable to the Procuring Agency; or

(b) a Bank Guarantee, Bank call-deposit (CDR), Demand Draft (DD), Pay Order (PO) or Banker's cheque cashier's or certified Cheque or CDR.

7.4. The performance guarantee will be discharged by the Procuring Agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless 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 nominated 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) (if so, allowed by the Procuring Agency), 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. Upon delivery, the Procuring Agency shall give receiving certificate to the supplier with the statement that, ―completion certificate along with satisfactory report shall be issued after due inspection as per clause-8 of GCC, which will enable the supplier to put up the bill ‖ .

10.3.For purposes of the Contract, DDP trade term used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms*

10.4.Documents to be submitted by the Supplier are specified in SCC.

11. Insurance

11.1.The Goods supplied under the Contract shall be delivered on DDP basis under which risk is transferred to the buyer after having been delivered, hence supply of goods is seller's responsibility. The marine and inland insurance coverage is Supplier's responsibility. The Supplier shall ensure insurance in advance in full on prevailing premium rates at the time of shipment of the Goods on the behalf of the Purchaser for which the cost is inclusive in the Contract Price.

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, including insurance and storage, as shall be specified in the Contract, 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) satisfactory performance for specified time/ Qty on-site and/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 shall be included in the Contract Price for the Goods and shall not exceed:

(i) the prevailing rates charged for other parties by the Supplier for similar services; and

(ii) original price of goods.

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

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

(i) advance notification to the Procuring Agency of the pending termination, in sufficient time to permit the Procuring Agency to procure needed requirements; and

(ii) following such termination, furnishing at no cost to the Procuring Agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1. The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models selected by the Procuring Agency, 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 be as specified 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 rectify 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/relevant provision of PPR-14 including Blacklisting.

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. As per rule-62 of PPR-14, payments shall be made promptly by the Procuring Agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Supplier, provided the work is satisfactory.

16.4. The currency of payment is Pakistan Rupees (PKR) in case of DDP and in case of LC, the payment will be made in foreign currency.

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.

18. Change Orders

18.1. The Procuring Agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract, only if required for the successful completion of the job, in any one or more of the following:

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

18.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring Agency's change order. But, in no case, the overall impact of the change should exceed 15% of the contract cost and no provisions of PPR-14 should be violated.

19. Contract Amendments

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

manufacturer or non-availability due to international mergers of the manufacturers or similar unavoidable constraints shall allow no variation in finalized brands / makes/models except in special conditions where the manufacturer has stopped producing or suspended that model or the latest model of similar series or version has been launched.

20. Assignment

20.1.The Supplier shall not assign the whole of the contract to anybody else. However, some parts of the contract or its obligations may be assigned to sub-contractors with the prior written approval of the procuring agency.

21. Sub-contracts

21.1. The Supplier shall notify the Procuring Agency in the Bid of all subcontracts to be assigned under this Contract. Such notification, in the original Bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2. Subcontracts must comply with the provisions of GCC Clause 20.

22. Delays in the Supplier's Performance

22.1.Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements.

22.2.If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

22.3.Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the imposition of liquidated damages.

23. Liquidated Damages

23.1.Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) 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 along with other remedies available under PPR-14.

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;

(b) if the Supplier fails to perform any other obligation(s) under the Contract; or

(c) if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt practices in competing for or in executing the Contract. For the purpose of this clause, corrupt practices will be defined as per Section-2 (d) of The PPRA Act, 2009.

"Corrupt practices" in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009:
(d) "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a Contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, noncompetitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

i. coercive practice by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
ii. collusive practice by arrangement between two or more parties to the procurement process or Contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
iii. offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
iv. any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
v. obstructive practice by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a Contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating

any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit process

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 Guarantee, 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. Both, the Procuring Agency and the Supplier, may agree to exclude certain widespread conditions e.g: epidemics, pandemics, quarantine restrictions etc from the purview of ―Force Majeure‖.

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. Any difference of opinion concerning ―Force Majeure‖ may be decided through the means given herein below.

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 (if

applicable) within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Agency on the Contract terms and prices. For the remaining Goods, the Procuring Agency may choose:

(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. After signing the contract or issuance of purchase order, The Procuring Agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2. If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration as per rule 68 of PPR-14 and in accordance with Arbitration Act-1940.

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 Punjab (Pakistan) 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 any information technology mean for the time being in use and acceptable in ordinary course of business 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 & Services to the Procuring Agency. In the event of imposition of new taxes/duties or concession thereof after the deadlines for the submission of bids the effect thereof shall be borne or availed by the procuring agency as the case may be.

33. Price Reasonability.

The successful bidder(s) shall provide the price reasonability certificate to the effect that the rates quoted are reasonable in accordance with the market. If it is found at any stage, the quoted rates are higher than the market ones or the item(s) have been provided to any other Institute/Department etc. at less rates than

the quoted ones. The firm undertakes to refund the difference amount to the purchaser on demand

Section-VI. Special Conditions of Contract

SPECIAL CONDITIONS OF CONTRACT

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

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

GCC 1.1 (g)—The Procuring Agency is:
Khawaja Muhammad Safdar Medical College & Allied Institution, Sialkot.

GCC 1.1 (h)—The Procuring Agency's country is: Pakistan

GCC 1.1 (i)—The Supplier is: M/s_____

2. **Country of Origin (GCC Clause 3)**

As specified in tender documents.

3. **Performance Guarantee (GCC Clause 7)**

GCC 7.1—As per rule 56 of PPR-14, the amount of Performance Guarantee, as a percentage of the Contract Price, shall be as prescribed in BDS.
GCC 7.4—the Performance Guarantee shall be retained for to cover the Supplier's warranty obligations or defect liability period in accordance with Clause GCC 15.2 The Performance Guarantee will be discharged after successful installation, commissioning, servicing and completion of standard warranty period. A clearance letter/NOC will be issued by the head of concerned institution in this regard

4. **Inspections and Tests (GCC Clause 8)**

GCC 8.6—Inspection and tests of Goods and at final acceptance are as follows: Inspection shall be made through designated inspection committee of the Department at port and warehouse.

4.1 Pre-Shipment Inspection: Pre-shipment inspection shall not be mandatory; therefore, no such requirement will be applicable in the scope, even if mentioned elsewhere.

4.1.2. For the purpose of inspections and tests of equipment, the Supplier shall furnish all reasonable facilities and assistance, to the inspectors at no charge to the Procuring Agency. In the event that inspection & testing is required prior to dispatch and categorically mentioned in the LC clauses, the goods shall not be supplied unless a satisfactory inspection report has been issued in respect of those Goods by the Procuring Agency. However, if the Supplier proves an undue delay in conduct of inspection on the part of Procuring Agency, the Supplier shall not be liable for penalty on account of that delay. The cost of such lab tests shall be borne by the Manufacturer/ Supplier.

4.1.3 The Procuring Agency's right to inspect, test and, where necessary, reject the goods after the goods have been installed at the Procuring Agency's destinations.

4.1.4 The Procuring Agency's right to inspect the premises of bidders'/ lead bidders/ firms of alliance to inspect their premises/ setups ensuring proper after sales services.

4.1.5 Nothing in GCC Clause 20 shall in any way release the Supplier from any warranty or other obligations under this Contract.

4.2 Post Delivery Inspection:

4.2.1 The goods shall be acceptable subject to physical inspection, tests and/ or in accordance with the approved specification / sample as decided by the Procuring Agency.

4.2.2 The Inspection Team/Third Party or both designated by the Procuring Agency will inspect each of the equipment/ goods as per contracted specifications and installation protocols recommended by the manufacturers.

5. Packing (GCC Clause 9)

The goods shall comply with the following packing instructions in addition to GCC Clause 9.

5.1 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.

5.2 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 Purchaser.

6. Trans-Shipment

Trans-shipment is not allowed (In case of no direct flight from the shipping country to the destination, this may be reviewed by the procuring agency on case-to-case basis).

7. Delivery and Documents

GCC 10.3—Upon shipment, the Supplier shall notify the Procuring Agency the full details of the shipment, including Contract number, description of Goods, Qty and usual transport document. The Supplier shall mail/submit the following documents to the Procuring Agency:

In case of Letter of Credit (LC): Draft LC along with following documents:

i. copies of the Supplier's invoice showing Goods' description, Qty, unit price, and total amount;
ii. original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
iii. Original and two copies of the packing list identifying contents of each package;
iv. Insurance certificate ;
v. Manufacturer's or Supplier's warranty certificate;
vi. Certificate of origin.

The following documents will be delivered at installed sites;

a. Operational Manuals of the medical equipment
b. Service Manuals indicating step by step service/ maintenance protocols of each of the equipment.
c. Periodic Preventive Maintenance schedules with recommended list of parts/ kits to be replaced during PPM.

d. Any other requirement by the procuring agency.

In case of DDP:

i. copies of the Supplier's invoice showing Goods' description, Qty, unit price, and total amount.
ii. Inspection report
iii. Delivery Challan

8. Insurance

GCC 11.1— The Goods supplied under the Contract shall be as specified in the schedule of Requirement. Insurance coverage is the sellers' responsibility. Since the Insurance is sellers' responsibility they shall arrange appropriate coverage. The marine and inland insurance coverage is Supplier's responsibility. The Supplier shall ensure insurance in advance in full on prevailing premium rates at the time of shipment of the Goods on behalf of the Purchaser for which the cost is inclusive in the Contract Price.

9. Incidental Services (GCC Clause 13)

GCC 13.1—Incidental services to be provided are:

i. The Supplier shall arrange such transportation goods as is required to prevent their damage or deterioration during transit to their final destination and in accordance with the terms and manner prescribed in the Schedule of Requirement. The goods shall be delivered ensuring quality, Qty, safety & efficacy of supplied cardiac stents and other cardiac surgery devices.
ii. All costs associated with the transportation including loading/unloading of goods and road taxes shall be borne by the Supplier.

10. Spare Parts

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible.

11. Warranty

The firms shall provide warranty as per ITB Clause 3.5 and post warranty services according to the ITB Clause 3.6.

12. Payment (GCC Clause 16)

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

1. In case of imported goods/CIF basis; the payment will be made 100% via establishing the LC in favor of manufacturer/beneficiary at sight and receiving shipping documents/ Bill of lading, Insurance, Inspection certificate of the manufacturer, Country of origin, compliance of international standards of quality as per INCOTERMS of latest version. The payment will be made in the following manner through a letter of credit to be opened by the Procuring Agency. The procuring agency may define its own financial values for the establishment of LC, in case of any special requirement

2. The amount of Letter of Credit shall be paid to beneficiary/Manufacturer on production of the following non-negotiable documents.

    i. Draft.
    ii. Three original and two copies of the Supplier's Invoice showing purchaser as Secretary, Health, Government of Punjab, Pakistan, the Contract No., Goods description, Qty, unit price and total amount. Invoice must be signed in original stamped or sealed with company stamp or seal.
    iii. Four Copies of packing list identifying content of each package.
    iv. One original and two copies of the negotiable, clean, on board through bill of lading marked ―freight prepaid‖ and showing purchaser as Secretary Health.
    v. Copy of insurance certificate showing purchaser as the beneficiary;
    vi. The original of the manufacturer's warranty certificate covering all items supplied;
    vii. One original copy of the Supplier's Certificate of origin covering all items supplied.
    viii. Test/ Inspection Certificate of manufacturers.
    ix. Compliance Report of Internal Quality Standards.
    x. Product model, serial numbers.
    xi. Manufacturer's Guarantee Certificate to the effect that:

        a. the goods supplied by them are strictly in conformity with the specifications stipulated in the contract.
        b. the goods have been packed and marked suitable for transport by Sea, Rail, Road and Air in terms of the contract.
        c. the stores supplied by them are brand new, latest manufacturing and absolutely free from any material or manufacturing defects.
        d. Manufacturer's test certificate in respect of each consignment.

3. In the case of DDP; the payment will be made 100% after presentation of the delivery/ Installation/commissioning/completion report of the equipment and all other works described in the Contract. Unless otherwise part payment, part delivery mentioned in the specifications.

13. Prices (GCC Clause 17)

GCC 17.1—Prices shall be fixed and shall not be adjusted.

14. Liquidated Damages (GCC Clause 23)

GCC 23.1—Applicable rate: 0.067% of the contract value per day after the period specified in the schedule of requirement

Maximum deduction: 10%

15. Resolution of Disputes (GCC Clause 28)

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

i. As per rule-68 of PPR-14, in the case of a dispute between the Procuring Agency and the Supplier, the dispute shall be referred for arbitration in accordance with the Arbitration Act 1940.

ii. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. The arbitrator will be appointed with mutual consent of both the parties. The decisions of the Arbitrator shall be final and binding on the Parties.

16. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be English.

17. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws applicable in the jurisdiction of the province of Punjab (Pakistan).

18. Notices (GCC Clause 31)

GCC 31.1—Procuring Agency's address for notice purposes: will be inserted at the time of contract.

—Supplier's address for notice purposes: will be inserted at time of contract.

19. Execution of Warranty

19.1 A Logbook for the medical equipment which needs regular after sales services (To be specified by the Procuring Agency) shall be maintained by the Supplier Service Engineer in consultation with the End User / Head of the Department and Biomedical Engineer. This will include a copy of Purchase Order, Name of the Equipment, Preventive Maintenance Schedule, Replacement of Spare Parts and Consumables / Disposables detail, Down Time etc.

19.2 The warranty will start from the date of acceptance of equipment (properly installed and inspected by committee, as per contracted specifications) and handing over of related documents mentioned in GCC and will last for its warranty period at 95% uptime.

19.3 The maintenance will be the responsibility of the manufacturer / their agent. An annual optimal uptime of 95% is considered as acceptable level of performance.

19.4 Software and hardware upgradation of the computing system should be carried out as available during warranty period as recommended by the manufacturer.

19.5 Manufacturer / Supplier shall be responsible for rectifying with all possible speed at their own expense any defect or fault in the system which may develop at any time during installation, commissioning period.

19.6 Manufacturer will guarantee the availability of spare parts, disposables / consumables and accessories for the system for ten years.

19.7 Uptime shall be defined as the time available to the user for doing procedures/ data acquisition and processing during working hours throughout the year.

19.8 Manufacturer / Supplier shall check system performance during and after every 3 months. An —Optimal Percentage‖ will be calculated by dividing —System in Service‖ hours by hours available, both measured on the basis of working hours as detailed above.

19.9 If the uptime percentage for the measurement period (3-months) falls short of 95%, the following formula will be applied to determine additional days in the warranty / service contract period.

A.	100% - 95%	No Penalty
B.	95% - 90%	The warranty period will be extended by 2.0 times the number of days as extra down time.
C.	90% - 80%	The warranty period will be extended by 3.0 times the number of days as extra down time
D.	Below 80%	The warranty period will be extended by 4.0 times the number of days as extra down time

19.10 Down time is defined as the failure in the equipment operation to acquire or process the data or procedure, resulting in inability to carry out the required procedure properly.

19.11 The firm will be bound to make arrangements for availability of qualified technical staff in hospital / site for prompt execution/coordination of after sale services.

19.12 Down time will start when the End User / HOD / Staff In-Charge / Biomedical Engineering Department notifies the designated service facility verbally or in writing to qualified technical staff of the firm stationed in the Hospital or to its office.

19.13 Down time will end once the repairs have been affected and the system is again available for clinical use.

19.14 The firm will be bound to inform about equipment functionality status once troubleshot and will submit the service report in Biomedical Engineering Department as proof of service / repair done in response of service / repair call. The Service Report shall be duly signed and stamped by the equipment End User of the concerned Department.

19.15 The firm will provide the recommended preventive maintenance schedule for each piece of the equipment at the time of delivery.

19.16 The firm will bound to execute the installation/ maintenance according to the installation/ service protocol and will replace the components/ kits recommended by the manufacturers for installation and Periodic Preventive maintenance.

19.17 The scheduled preventive maintenance shall be in accordance with Service Protocol recommended/ advised by the manufacturer.

19.18 Remote service via modem shall be preferred if provided by the manufacturer to pick-up early faults at no cost to the hospital for the high-tech equipment.

19.19 The manufacturer / supplier will be responsible for preventive maintenance of equipment as per manufacturers' Service Manuals and shall keep a check for electrical / magnetic / temperature and humidity conditions. Such a checks should be made monthly, and records should be maintained in the equipment logbook of the hospital.

20. Training

20.1 The Supplier shall provide necessary trainings to hospital staff including doctors, biomedical engineers, technicians, and paramedical staff. Moreover, the supplier shall arrange hands on training of biomedical engineers pertaining to repair/maintenance and troubleshooting of Medical Equipment at Local/manufacturer site, as per modules of manufacturer and shall also provide complete details of the quoted model including but not limited to service manual, circuit diagrams etc.

20.2 Quarterly visits of application specialist after successful commissioning of the machine (Each visit of one-week duration or more as required)

21. General:

21.1 The imported goods can be from any geographical region of the world unless otherwise any other country of manufacturer is mentioned in specifications, however their delivery/provision may vary according to geographical location of their factories as per prevailing laws of Pakistan.

21.2 The fee for all necessary licenses required to install and operate the equipment shall be borne by the Supplier and Procuring agency will facilitate through documents only.

21.3 The Bank Guarantee will be discharged after successful installation, commissioning, servicing and completion of warranty period (or for any other period mentioned in the specifications). A clearance letter/NOC will be issued by the head of the concerned institution.

21.3 (a) The supplier will arrange the clearance of consignment on behalf of procuring agency and will deliver the same to the delivery place specified by the procuring agency on prepaid freight basis. All clearance charges will be borne by the supplier. The procuring agency will provide the related documents at any stage for custom clearance purposes.

21.4 The Supplier shall be deemed to have obtained all the information regarding facilities and charges, in respect of port clearance, loading and unloading, storage, transportation, congestion, Octri, licensing fee and confirmed the requirements thereof at his own responsibility and all such costs and charges are deemed to be included in the rates and prices mentioned in the Priced BOQ and the Procuring Agency will not pay any amount over this contracted amount whether in case of CIF or free delivery consignments.

21.5 Certificate from the manufacturer that they will provide after sales services through its agent and in case of change of its agent, it will provide the services itself or newly appointed Sole agent/ Sole distributor.

21.6 The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers. The supplier shall provide factory training of quoted medical equipment to the hospital biomedical engineer and clinical training to the doctors, if specifically demanded in the advertised specifications/ tender.

21.7 For smooth functioning and management of medical and other equipment, it is mandatory for the bidders to provide sufficient technical training for high-tech equipment for the biomedical engineers and allied staff from factory trained experienced engineers at the concerned institute.

Section-VII. Schedule of Requirements

7.1 Schedule of Requirements

The system shall be delivered in accordance with the terms & conditions of the contract as per following schedule of requirements on CIF or DDP basis:: -

Respective Consignee's End:

A. Delivery to the Khawaja Muhammad Safdar Medical College & Allied Institutions, Sialkot. Or Any ware house specified by the procuring agency at the time of delivery.

MODE OF PENALTY	DELIVERY OF 100% QTY AS PER PURCHASE ORDER
Without Recovery of Late Delivery Charges	90 days or earlier for DDP &105 Days (15 days grace period on sole discretion of the Procuring Agency) Delivery Period from the date of Issuance of Letter of Credit
With Recovery of Late Delivery Charges 0.067 % per day	As per delivery
Maximum Rate of Late Delivery Charges	Maximum limit of ***Late Delivery Charges*** is as prescribed in BDS (The delivery period will start from the date of opening of Letter of Credit (in case of CIF mode) to the final delivery of goods at the Consignee's end. Before establishment of LC, a draft of LC Will be shared with the supplier to avoid any discrepancy at later stage).
	After expiry of prescribed delivery period, Once the maximum limit, specified in SCC Clause 14, is reached, the procuring agency may proceed for termination of contract and legal proceedings under PPR-2014.

7.2 Item details

S#	Items	Description / Specifications	Qty	Mode of Procurement	Estimated Cost (PKR in Million)
Package Procurement having following items.					
Package:1					
1.		Specified in Section III - Technical specifications		DDP OR C&F	
2.		Specified in Section III - Technical specifications		DDP OR C&F	

i. The delivery period will start from the date of;

- opening of Letter of Credit (LC) in case of CIF mode
- issuance of purchase order/signing of contract in case of DDP mode.

ii. The distribution schedule will be issued by the procuring agency.

iii. The procuring agency may increase or decrease the quantities at the time of contract. In case of increase in Qty, the maximum limit will be 15% of the original Qty on the analogy of rule-59 (c)(iv) of PPR-14.

iv. The supplying firm will follow manufacturer guidelines to ensure the safety of the goods during transportation and storage.

Section-VIII: Forms

8.1 Bid Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with the Bid, in case of Single Stage One Envelope Procedure and with the Financial Bid, in case of Single Stage Two Envelope Procedure]

Date: _____

To: [name and address of Procuring Agency]

Gentlemen and/or Ladies:

Having examined the Bidding documents including Addenda Nos. *[insert numbers],* the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said Bidding documents for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to a Bid by this Bid for a period of *[number]* days from the date fixed to Bid opening under Clause 2.3.9 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

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

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

(if none, state "none")

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

Dated this _____ day of _____ 20 ____ _.

_____ _____

[signature] *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of _____

Bidder's JV Members Information Form

{To be reproduced and signed & stamped by the lead partner and all JV members on their letter Pad, to be attached with Technical Bid in addition to the JV agreement}

{The Bidder shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Bidder and for each member of a Joint Venture}.

Date: *[insert date (as day, month and year) of Bid submission*]
RFB No.: *[insert number of RFB process]*
Alternative No.: *[insert identification No if this is a Bid for an alternative]*

Page _____ of_____pages

1. Bidder's Name: *[insert Bidder's legal name]*
2. Bidder's JV Member's name: *[insert JV's Member legal name]*
3. Bidder's JV Member's country of registration: *[insert JV's Member country of registration]*
4. Bidder's JV Member's year of registration: *[insert JV's Member year of registration]*
5. Bidder's JV Member's legal address in country of registration: *[insert JV's Member legal address in country of registration]*
6. Bidder's JV Member's authorized representative information Name: *[insert name of JV's Member authorized representative]* Address: *[insert address of JV's Member authorized representative]* Telephone/Fax numbers: *[insert telephone/fax numbers of JV's Member authorized representative]* Email Address: *[insert email address of JV's Member authorized representative]*
7. Attached are copies of original documents of *[check the box(es) of the attached original documents]* ☐ Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4. ☐ In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Purchaser, in accordance with ITB 4.6. 8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form 8.3 FOREIGN MANUFACTURER DECLARATION
(on letter head of the manufacturer)

To Dated:

The Principal,
Khawaja Muhammad Safdar Medical College & Allied Institution, Sialkot.

I declare that:

- I am_____the authorized representative of the firm M/s _____specified in this Bidding Documents as the "Manufacturer" for the purpose of bidding of equipment as per following detail;

Sr. No. in the list	Name of the Equipment, Manufacturer	Country of Manufacture & Origin	Manufacturing Quality Standards Compliance Certificate (s)	Product Quality Standards Compliance Certificate (s)

- M/s_____is our Authorized distributor in Pakistan for the last years. (Please attach copies of first and last certificate(s)).
- Our Firm will abide by all the rules and regulations, formulated by the Government of the Punjab, SHC&ME Department, Pakistan reference to this particular case and notify all changes and variations to the Product, its manufacturing status and change of Distributor.
- We confirm that our Distributor M/s_____has the requisite technical personnel and tools required to service/ maintain the above-mentioned equipment.
- We confirm the availability of spare parts for at least 10 years.
- The firm takes the responsibility to fulfill all warranty & service contract related commitments, by themselves or through another distributor/ partner in case existing are changed.
- The firm is not declared ineligible / blacklisted by any Government/ Ministry / Division / Department / Agency / Authority / Semi Government Department or any other Organization.
- All the information provided in pursuance with this declaration is current and correct.
- We are bound to give any information to the department regarding this tender which may approach through website_____

  and email_____.

Name of the Firm: _____
Name & capacity of the Authorized Contact Person: _____
Signature of the Authorized Contact Person: _____
Date:_____Stamp of the Firm: _____

[Signature for and on behalf of Manufacturer]

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

8.4. Bidder Profile Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

Sr.#	Particulars
1.	Name of the company:
2.	Registered Office:
Address:	
Office Telephone Number:	
Fax Number:	
3.	Contact Person:
Name:	
Personal Telephone Number:	
Email Address:	
4.	Local office if any:
Address:	
Office Telephone Number:	
Fax Number:	
5.	Registration Details:

a) Audited Financial Statement Attachment/Income Tax Returns (Last 03 years)

Yes	No

b) Details of Experience (Last 05 Years)

(ii)	Value of total Projects/Tenders/POs	Amount

c) Staff Detail and last month Payroll

Yes	No

8.5. General Information Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

	Particulars			
Company Name				
Abbreviated Name				
National Tax No.			**Sales Tax Registration No**	
PRA Tax No.				
No. of Employees			**Company's Date of**	
			Formation	

***Please attach copies of NTN, GST Registration & Professional Tax Certificate**

Registered Office Address		**State/Province**	
City/Town		**Postal Code**	
Phone		**Fax**	
Email Address		**Website Address**	

8.6. Affidavit

[To be printed on PKR 100 Stamp Paper, duly attested by oath commissioner. To be attached with Technical Bid]

Name: _____

(Applicant)

I, the undersigned, do hereby certify that all the statements made in the Bidding document and in the supporting documents are true, correct and valid to the best of my knowledge and belief and may be verified by employer if the Employer, at any time, deems it necessary.

The undersigned hereby authorize and request the bank, person, company or corporation to furnish any additional information requested by the *[name of Procuring Agency]* of the Punjab deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the *[name of Procuring Agency]*. The undersigned further affirms on behalf of the firm that:

(i) The firm is not currently blacklisted by the Procuring agency.

(ii) The documents/photocopies provided with Bid are authentic. In case, any fake/bogus document was found at any stage, the firm shall be blacklisted as per Law/ Rules.

(iii) Affidavit for correctness of information.

[Name of the Contractor/ Bidder/ Supplier] undertakes to treat all information provided as confidential.

Signed by an authorized Officer of the company

Title of Officer: _____

Name of Company: _____

Date: _____

8.7. Performance Guarantee Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

To,

[name and address of the Procuring Agency]

WHEREAS (Name of the Contractor/ Supplier) _____ hereinafter called "the Contractor" has undertaken, in pursuance of —INVITATION TO BID FOR THE —PROVISION OF_____ll procurement of the following:

1. [*Please insert details*].

(Here in after called —the Contract").

AND WHEREAS it has been stipulated by you in the Contract that the Contractor shall furnish you with a bank guarantee by a scheduled bank for the sum specified therein as security for compliance with the Contractor's performance obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor a Guarantee;

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____(Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract, and without cavil or argument, any sum or sums as specified by you, within the limits of _____ (Amount of Guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until _____ day of _____, 20__, or_____ [insert number of days] after the rectification of the Defects, whichever is later.

[NAME OF GUARANTOR]

Signature _____

Name _____

Title _____

Address _____

Seal _____

Date _____

8.8. Technical Bid Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

Sr. No.	Product Name	Model Name	Country of Manufacturer	Country of Origin	Brand Name / Make	Qty

Bid Validity: _____

Delivery Period: _____

Stamp & Signature of Bidder _____

8.8 (a). Specification Compliance Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

Sr. No.	Advertised Specifications	Offered Specifications	Compliance Status (with evidence i.e. page)

Stamp & Signature of Bidder _____

8.9. Contract Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

THIS AGREEMENT made on the _____ day of _____ 20_____ between *[name of Procuring Agency]* of *[country of Procuring Agency]* (hereinafter called ―the Procuring Agency‖) on the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called ―the Supplier‖) on the other part:

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

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

(a) the Bid Form and the Price Schedule submitted by the Bidder;
(b) the Schedule of Requirements;
(c) the Technical Specifications;
(d) the General Conditions of Contract;
(e) the Special Conditions of Contract; and
(f) the Procuring Agency's Notification of Award.
(g) Contract agreement
(h) Complete Bidding document

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

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

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

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

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

8.10. Financial Bid Form/Price Schedule

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Financial Bid]

Name of Bidder_____

Tender No. and the name of the package/Tender ----------

(CIF items)

Item No.	Name of Item (As listed in invitation of bid)	Make	Model	Country of Origin	Country of Manufacturer	Name of Port of dispatch	Total Qty	Unit Price (FC Price)	Total Price (FC Price)
1									
								Total Price (FC Price)	

FC= foreign currency

(DDP Items)

Item. No.	Name of Item (As listed in invitation of bid)	Make	Model	Country of Origin	Country of Manufacturer	Supplier	Qty	Unit Price	Total Price Rs)
2									
								Total Cost (PKR)	
Total Package Cost (PKR)									

1) *The price for the complete Package/Tender (CIF & DDP items), including the total warranty period and standard accessories (as already detailed in the technical specifications), shall be considered for determining the lowest evaluated bidder. In case of any discrepancy between the unit price and the total price, the unit price shall prevail.*

2) ***Procurement Mode and Applicable Terms:***

a) Where procurement is made through Letter of Credit (LC), the evaluation shall be conducted on the basis of CFR/CPT terms.
b) Where procurement is made through the local market, preference shall be given to DDP terms

3) **Stamp & Signature of Bidder** _____

8.11. Bid Security Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Financial Bid]

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

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

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring Agency during the period of Bid validity:

   (a) fails or refuses to execute the Contract Form, if required; or
   (b) fails or refuses to furnish the Performance Guarantee, in accordance with the Instructions to Bidders;

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

This guarantee will remain in force up to and including thirty (30) days after the period of Bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

_____

[Signature of the bank]

Form 8.12 Bid Evaluation Sheet (Template)

Part-I Commercial Parameters		
Sr. No.	**Evaluation Parameters**	**M/S ABC**
1.	NTN & GST (Valid)	Yes / No
2.	Bid Security	Yes / No
3.	Registration with SECP/Registrar of Firms	Yes / No
4.	Undertaking / Statement on Stamp Paper of Rs. 100/- that the Party including the director, and the owners is not a subject of bankruptcy proceedings, receivership, administration receivership, or any other form of liquidation	Yes / No
5.	Average Annual Turnover as per tender requirement	Yes / No
6.	The bidder shall comply the all the terms & conditions.	Yes / No
7.	Affidavit from Bidder as per Form 8.6	Yes / No
8.	Bid Validity	Yes / No
9.	Delivery Period as per schedule of requirement	Yes / No
	Remarks:	(Eligible/ Not Eligible for further evaluations of PART-II)
Part-II Technical Parameters		
Sr. No.	**Evaluation Parameters**	**M/S ABC**
1.	Manufacturer/Valid Sole Agent Certificate for the Pakistan/Province in Punjab	Yes / No
2.	Compliance with advertised specifications including Optional	Yes / No
3.	All required samples/Demonstration (if demanded) have been submitted in [name of the Procuring Agency] .	Yes / No (If Applicable)
4.	Certificate from the manufacturer that the after sales services / backup services and installation	Yes / No
5.	Compliance of quality standards for quoted product as mentioned in knock down criteria	Yes / No
6.	Brochures attached to verify the specifications	Yes / No
7.	The firm shall attach proof of managerial and technical capabilities. (Company profile details of HR etc.)	Yes / No
8.	List of calibration,testing tools,and d etails of Spare Parts	Yes / No
9.	Compliance of Warranty as per tender	Yes / No
10.	History of Quoted Brand(Attach at least three(03) relevant Purchase orders/contracts) and Performance Certificate. Two for Govt. Sector in Pakistan & one for Private also accepted	Yes / No

	Remarks:	(Eligible/ Not Eligible for further evaluations of PART-III)

Part-III Product Parameters		
Sr. No	**Evaluation Parameters**	**M/S ABC**
Item name:		
1.	**Brand**	
2.	**Model**	
3.	**Country of Manufacturer**	
4.	**Country of Origin of Product**	
5.	**Compliance with defined quality standards**	**Yes / No**
6.	**Availability of quoted model on manufacturer website**	**Yes / No**
7.	**Specification Compliance features wise (the bidder will provide viz-a-viz specs compliance sheet) as per Section III (3.1) and submit the technical offer according to technical bid form 8.8 (a)**	**Technically Acceptable /Not (Mention the reasons)**
08	**Optional items : should be quoted**	**Yes / No**
Technical Eligibility of Product		**Eligible / Not Eligible**
OVER ALL BID STATUS		**Responsive / Non-Responsive**

Section IX- Check List

[To be signed and stamped and presented on Bidder's letter head pad]

The provision of this checklist is an essential prerequisite along with submission of tenders (with technical proposal).

Sr. #	Detail-Bid	Page #	Responsive	Non-Responsive
1.	Valid NTN & GST			
2.	Valid sole Agency Agreement			
3.	Broachers of the quoted items			
4.	DRAP Registration Certificate (if applicable) – to be provided in accordance with the tender terms and conditions mentioned in the specifications			
5.	USA (FDA 510k) / CE(MDD/MDR) / Jp MHLW Certificate (if applicable) – to be provided in accordance with the tender terms and conditions mentioned in the specifications			
6.	Foreign Manufacturer Declaration Form (as per Form 8.3)			
7.	Technical Bid Form (as per form 8.9 of Bidding documents) on letter head of the firm duly signed and stamped.			
8.	Financial Bid Form (as per form 8.1 of Bidding documents) on letter head of the firm, duly signed and stamped.			
9.	Bid Security Form (as per form 8.11of Bidding documents) on letter head of the firm, duly signed and stamped.			
10	Performance Guarantee Form (as per form 8.7 of Bidding documents)			
11	General Information Form (as per form 8.5 of Bidding documents)			
12	Affidavit (as per form 8.6) on non-judicial Stamp Paper of Rs. 100/- (i) The firm is not blacklisted by the Procuring agency. (ii) The documents/photocopies provided with Bid are authentic. In case of any fake/bogus document look at any stage. They shall be black listed as per Rules / Laws. (iii) Affidavit for correctness of information. Affidavit for correction of information Form (as per form of Bidding documents) on letter head of the firm, duly signed and stamped.			

Stamp & Signature of Bidder _____

Section-III. Technical Specifications

3.1. Technical Specifications

The quoted model of Equipment shall comply the following technical specifications. The bids fail to comply with the specifications will be rejected.

LIST OF EQUIPMENT:

PROVISION OF MISSING FACILITIES AT KMSMC&AI, SIALKOT					
S/N/ LOT	**Description**	**Qty.**	**Institute /Department (AIMTH)**	**Institute /Department (GSBTH)**	**Estimate Total Cost Inclusive Tax-Millions**
1	OT Light	3	GYNEA OT-1, Eye OT-1, EOT-1		9.0024
Package/ Lot -01	Diathermy Machine	5	GYNEA OT-1, KOT-1, NEURO-1	OT-2	16.7395
	Diathermy With Vessel Sealer	1	Surgery, OBS & Gynae		
3	Anesthesia Machine	5	Gynae OT-1,Gestro-1, Eye Ot-1,	OT-2	57.485
4	Pulse Oximeter	19	MED-3, Surgical-2,pulmology-3,Peads2-,GYNEA-2	PEADS, MED, GYNEA: 07	8.5224
5	Ultrasound Machine	2	Radiology	RADIOLOGY	36.0048
6	Microscope for ENT	1	ENT		9.0024
7	DIRECT LAYRNGOSCOPY /Flexible Nasopharyngoscope	1	ENT		0.6018
8	Optical Coherence Tomography (OCT)	1	Ophthalmology		15.004
9	YAG LASER	1	Ophthalmology		15.004
10	DIGITAL SLIT LAMP	1	OPTHALMOLOGY		4.9005
11	billirubino meter	2	PEADIATRIC		1.3924
12	Bronchoscopy Suite with all accessories	1	Pulmonology		15.004
Package/ Lot -02	Laparoscope Complete unit	1	Surgery, OBS & Gynae		30.8066
	Pediatric Cystoscope & Resectoscope	1	PEADS - Surgery		
	Pediatric Telescope	1	PEADS- surgery		
	ARTHROSCOPE	1	ORTHOPEDIC		
13	FLEXIBLE REAMER SET	1	ORTHOPEDIC		0.4956
14	Full Body Phototherapy Chamber/Cabin	1	Dermatology		6.0016
Package/ Lot -03	DIALYSIS MACHINE	5	NEPHROLOGY		14.4334
	RO	1	NEPHROLOGY		
15	DERMATOME & MESHER	1	Plastic Surgery		6.4977
16	PLASTIC SURGERY SET	1	Plastic Surgery		2.9972
17	PNEUMATIC TURNIQUET	1	Plastic Surgery		0.8024
Package/ Lot -04	Physiodispenser & Straight and Contra - angle hand piece	1	Dental Dept.		11.9874

	Rotary Endo motor	2	Dental Dept.		
	DENTAL UNIT	2		DENTAL	
18	Portable X ray - Source with Sensor	2	Dental Dept.	Dental Dept.	3.9942
19	Holmium Laser Urology	1	Urology		29.9959
20	Suction Machine	7		Gynae,Peads, MED& OT	3.57
21	CPAP/BIPAP	4		MED & PEADS	3
22	Electrotherapy unit - basic unit	1		Physiotherapy	2.7
23	Traction Unit with table - basic unit	1		Physiotherapy	5
24	INFARED LAMP WITH STAND	2		Physiotherapy	0.297
25	Shortway Diathermy	1		Physiotherapy	2.42
26	ELECTRO STIMULATOR PAIN MANAGEMENT SYSTEM	1		Physiotherapy	1.345
27	Shoulder Pully	1		Physiotherapy	0.078
28	ECG MACHINE	3		MED, PEAD, GYNEA	2.01
29	CARDIAC MONITOR	4		MEDICINE	4.4
30	DEFIBRILLATOR	3		MED, PEAD, GYNEA	4.356
Package/ Lot -05	ELECTRIC OPERATION TABLE	2	Surgery/Neuro		24.004
	OT TABLE - HYDRULLIC	2		General - OT	
			Total Amount		**349.8552**

Note:

3.5. Warranty:

3.5.1 The firm shall provide a comprehensive warranty as per mentioned in terms & conditions. The firm shall be bound to maintain the equipment / items during all warranty period —free of cost‖ including but not limited to spare parts, update of any software, consumables and labor or any other type of required service. Custom clearance of all the spare parts during / after warranty will be the sole responsibility of the supplier (faulty part should be replaced by the brand-new genuine parts). Free of Charge Planned / Periodic Preventive Maintenance (PPM) of the equipment during warranty period will be executed after every three (03) months or as per the Manufacturer's recommendations, whichever comes earliest. The firms are required to submit their financial bids including overall warranty in accordance with the form —8.10. Financial Bid Form / Price Schedule

The Supplier further warrants that the supplied goods are in-compliance with the provisions of DRAP Act 2012/Medical Device Rules framed thereunder.

3.6. Post Warranty (Service Level Agreement)

3.6.1 After the successful completion of the comprehensive warranty period and any applicable downtime penalty, the supplier shall provide after-sales services through a Service & Maintenance Contract for the next six years or beyond, with mutual consent between the customer and the firm (sole agent). The Service & Maintenance Contract (SMC) shall cover replacement of all types of the spare parts.

3.6.2 The Annual Service & Maintenance Contract/Service Level Agreement(SLA) cost shall be 5% or less of C & F Value of Equipment, with one-year standard comprehensive warranty (to be disclosed in 8.10. Financial Bid Form/Price Schedule) henceforth referred to as the "Reference Value" for future contracts. The procuring agency / hospital reserves the right to enter into an SLA either for the entire package or for selected items / equipment, based on the needs assessed at the time of contract initiation.

3.6.3 The Service and Maintenance Contract charges shall be calculated in Pak Rupees on a yearly basis as per the prevailing Foreign Currency Exchange (FEC) Rate. The payment shall be made in Pak Rupees on a quarterly basis after satisfactory fulfillment of SLA's codal formalities set by the customer/hospital.

Serial No. # 1	
Clinical Specialty	OT General Surgery.
Generic Name	**CEILING OT LIGHT (Double Head).**
Clinical Purpose	OT Light is a medical device intended to assist medical personnel during a surgical procedure by illuminating a local area or cavity of the patient.

TECHNICAL SPECIFICATIONS

- LED shadow less operation theatre ceiling light, hermetically sealed dust proof.
- Adjustable light intensity 160000 LUX at 1 meter distance.
- Satellite combination of 160000 LUX at 1 meter.
- Color temperature 4000°-4500° Kelvin.
- Electronic control panel for light Parameter's adjustment.
- Color rendition index of 96 or more.
- LED life 50,000 hours or better.
- Autoclavable handles.
- Operating Voltage 220V, 50Hz.

Optional:

- 2 KVA UPS imported for two hours minimum backup but supply locally
- Lux meter

Term and Condition:

- Warranty: The warranty period shall be of 03 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Country of Manufacturer: USA/UK/Europe/Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -01	
Clinical Specialty	OT General Surgery
Generic Name	**ELECTROSURGICAL UNIT**
Clinical Purpose	Electrosurgical Machine is used to cut, coagulate and desiccate the biological tissues.

TECHNICAL SPECIFICATIONS

- Microprocessor based electrosurgical unit for normal and under water cutting usages. Automatic selftest function.
- Operation in radio frequency range.
- Controls for cutting, coagulation, spray and blends.
- Monopolar cutting power of 280 to 300 watts with change of 05 watts or with less increments.
- Mono polar coagulation power of 120 Watts or more.
- Bipolar coagulation power of 100 Watts or more.
- Spray coagulation mode.
- Different gradations of blending of cutting and coagulation power.
- Digital display of all controls and set values of cutting and coagulation power.
- Audio and visual alarms. 220V, 50 Hz.

Accessories:

- Monopolar handle with cord.
- Bipolar forceps with cord.
- Attachment for monopolar coagulation.
- Knife electrode.
- Surgical electrode, ball-shaped.
- Wire loop electrode.
- Needle electrode.
- Ball electrode.
- Bipolar coagulation forceps.
- Reusable patient plate.
- Double paddle foot switch, explosion proof.
- Trolley with lockable antistatic castors may be provided locally.

Package/Lot -01	
Clinical Specialty	Operation Theater and General Surgery
Generic Name	**DIATHERMY WITH VESSEL SEALING SYSTEM**
Clinical Purpose	Diathermy with Vessel Sealing System is used for normal and under water cutting and coagulation in various open and laparoscopic procedures

TECHNICAL SPECIFICATIONS:

- Touch screen generator with 350 Watts or more.
- Microprocessor based solid state electrosurgical unit for normal and under water cutting with permanent safe sealing of vessel on tissue bundle: 7mm. thermal spread should be minor.
- RF power for monopolar cutting not below 350 watts or more with 5-watt step increment or less.
- Monopolar coagulation 120 Watt or better.
- At least 3-4- blend/effect modes.
- Monopolar Coagulation: 120 watts or more.
- Bipolar Coagulation 100 watts or more.
- Bipolar cutting 120 watt or more.
- Spray Coagulation
- 220 VAC, 50 Hz.

Accessories:

- Complete with foot switch, reuse-able patient plate, monopolar handle with cord and surgical needles (knifes, ball electrode, loop electrode and needle (Qty: 12).

- Bipolar forceps straight.
- Bipolar forceps bayonet.
- Imported trolley with lockable wheels.
- Reusable laparoscopic instruments 5mm or 200 pieces of disposable.
- Instruments for open surgery (01 reusable or 200 pieces of disposable)

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- NANDO Certificate is mandatory
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 03	
Clinical Specialty	Anesthesia & Ventilation
Anesthesia & Ventilation	**HIGH TECH DIGITAL ANESTHESIA WORKSTATION**
Generic Name	The high tech anesthesia workstation is used by anesthesiologists to support the administration of anesthesia during specialized surgical procedures (only for tertiary care hospitals). The most advanced anesthesia workstation which is designed to provide precise concentration of anesthetic agents (such as Isoflurane or Sevoflurane or Desflurane) through electronically control, mixing and deliver this to the patient at a safe pressure and flow. Anesthesia work station incorporate a ventilator, IT based high end monitoring parameters and paper less patient data management with latest IT infrastructure.

TECHNICAL SPECIFICATIONS

Anesthesia work station machine to administer anesthetic agents in precise control and flow manner.

- The machine will equip to monitor the vital sign parameters and anesthetic agents during operation.
- Floor mounted version
- Provision of 3-gases O2, N2O and Air.
- Machine should capable to deliver low flow and minimal flow anesthesia with Fresh gas flow efficiency graph.
- Provision of communication port for sharing and transfer of data to HIMS or HIS through HL7 protocol.

Unit shall comprise of the following components:

- Electronically controlled gas mixing and monitoring of anesthetic gases (O2, AIR, and N2O) both by digits as well as colored virtual tubes.
- Manual ventilation should be possible if the electrical system fails.
- Built-in illumination system.
- Non-interchangeable pipeline inlets
- Electronic Display of Central Pipeline & cylinder gauges for O2, N2O and AIR.
- Central gas or Electrically driven unit.
- Pin index cylinder yokes for Oxygen & N2O (One each), as backup.
- Automatic shifting on the cylinder if the central supply of O2 or N2O fails.
- Gas outlet and O2 flush control
- 1 auxiliary O2 outlet (preferably electronics).
- Two lockable castors or central lock.
- Stainless steel or fiber work surface
- Absorber bag support arm.
- Integrated heated breathing system or ability to manage water condensation & Humidification.
- Drawer unit 5-6" high. (Only in floor mounted version).
- Scavenging system active type.
- Integrated or Built in or Mounted suction with accessories to be supplied from same manufacturer which should be compatible with machine.

ANESTHESIA VENTILATOR:

- Anesthesia Ventilator with minimum 15” or more LCD or TFT Touch Screen.
- The ventilator shall be capable of ventilating Neonates, pediatric and Adult Patients.
- Configurable pre-setting of patient category and age should be available.

The ventilator shall have following features as a minimum requirement:

- Volume Preset Time Cycled Ventilation or Volume Control
- Manual or spontaneous.
- Pressure Controlled Ventilation
- PC-VG or AutoFlow or PRVC.

 CPAP with PS.
BiPAP or equivalent.
 PC-APRV or equivalent.
 Synchronized volume controlled ventilation (SIMV) with PS.
 Synchronized Pressure controlled ventilation (SIMV) with PS.
 Pressure Support with apnea back up
 Cardiac bypass mode or HLM.
 Breathing Mode Selection (Standby, Volume, Spontaneous and Pressure)
 Built in Oxygen Monitoring through Paramagnetic sensor (Non consumable).
 Inverse I:E ratio Capability
 Gas Specific Input Connectors (Air or Oxygen ISO or ANSI Standards).
 Tidal Volume 05-1400 ml or better in any ventilation mode.
 Rate or Frequency 4 to 80 bpm
 PEEP: off, 4 to 20 cm of H2O.
 Inspiratory Pressure Limit.
 Fresh gas flow adjustable to 0.3 L/min for minimal and low flow anesthesia.
 Numeric value and graphically representation of inspired and expired tidal volume.
 Loops and curves of pressure, flow and volume.
 Waveforms for Airway Pressure, Inspiratory and Expiratory flow, volume, O2, CO2 and Primary Anesthetic Agents.
 Prolonged & Maximal Lung Recruitment Maneuvers should be available.
 Patient Trend data and user log books for 24 hours or more.
 Display of fresh gas efficiency in shape of Bar Graph or equivalent technology.
 Calculations and measurements of oxygen concentration (FiO2) and volatile agents.
 Power Supply 220 VAC, 50 Hz
 Built-in Battery Backup (60 Minutes or more)
 Uninterrupted ventilation during central gas supply failure.
 Alarms should be available for all measured parameters as low and high limits.
 Electronic Hypoxic Device.
 The ventilator shall be supplied with complete drive hose and power cable.
Note: Annual maintenance kits (needs to replace) will be included in the warranty period as per manufacturer's guidelines.

VAPORIZER:

 Three pre calibrated Vaporizers of Isoflurane or Sevoflurane or Desflurane (procuring agency and end-user will specify as per requirement).
 Vaporizer should be temperature and flow compensated.
 Vaporizer setting should be electronically monitor or control.
 The vaporizer setting should be displayed on the Main interface of Anesthesia device.
 Machine and Vaporizer has the ability to indicate the below minimum filling level of vaporizer.

MONITORING:

 Modular Vital sign monitor with transport module.
 Display size of transport module minimum 5" touch screen with 2 hours' built-in battery backup.
 Size of main display minimum 19" touch screen or more for monitoring of vital sign parameters of Neonates, Peads and adults.
 Measurement of ECG 5 or 6 leads.
 NIBP with re-usable single hose cuff for neonates, Peads and Adults.
 SpO2 (Masimo Technology or Equivalent motion tolerant technology) with re-usable cable and sensors for neonates, Peads & adult
 HR.
 Temperature with nasal and skin probe.
 Respiration.
 Four Channel IBP.
 Trend data: 72 hours or more.
 Printer module for printing waveforms and patient data.
Anesthetic Agent, CO2, O2 and N2O Monitoring (With monitor or within Anesthesia Machine) along with Gas consumption and uptake data.
 Monitoring of xMAC or MAC value. (with monitor or with in the anesthesia machine).

 EtCO2 main or side stream (Complete with all sensors probes, reusable).
 Provision of communication port for sharing and transfer of data to HIMS or HIS through HL7 protocol.
 220V, 50 Hz operated.
 Built-in or Integrated Battery backup or online pure sine wave UPS with dry batteries for at least 60 minutes.

Note: Monitor must be supplied by the same manufacture and must interface with the machine. The warranty of equipment will be including batteries, all kinds of filters and flow sensor.

ACCESSORIES:
For Anesthesia Machine:
 Power outlet with 3 or 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 or ventilator, manometer, 0.5, 1.0, 1.5, 2 & 3 L breathing bags.
 Y-Piece straight & 90 degree.
 Hinged arm.
 Flexible LED workstation light.
 Infusion Pole.
 Holder or hook for the accessories.
 Flow Sensor QTY-05
 Water lock QTY-10
 Sample Lines QTY-20
For Patient Monitor:
 2 X NIBP Cuffs for Adult, infant and Peads (one each)
 2 X Spo2 probes for Adult, infant & Peads (one each)
 2 X Temperature probes (Nasal and Skin).
 2 X ECG Leads
 Four Channel IBP leads
 etCO2 module or sensor.
 4 x printing paper role.
Optional Items:

NIRS (Near Infra-Red Spectroscopy unit for Cerebral Pulse Oximetry) for pediatric patients.
Complete with main unit with monitor and sensors including disposable head sensor/probe (Qty. 50 Nos.)

NMT Neuro muscular transmission monitoring.

Pendant mounted

BIS Monitoring.

Patient Date Management:
 Remote view of patient data through web-based application.
 Patient data should be managed as pdf reports.
 Monitor should display X-Ray Images, DICOM Images, Lab Results by connecting with HIMS, LIS and RIS.
 Provision of Patient Monitor data on IPADS, Mobile Devices etc as standard features for users.
Electronic Anesthetic Drugs Delivery System
 System should capable to calculate and predicts the effects of commonly used anesthetic drugs.
 Built-in prediction for IV pumps rates and anesthesia device settings.
 Continuous visual feedback of changes in drugs effects concentration.
 The combined effect of anesthetics and analgesic drugs should be available as numericvalue.
 Control and monitoring of volatile and IV analgesics and muscle relaxants.
 The system should be complete with all hardware, compatible syringe pumps and Infusion

pumps (Qty-05), docking station and infusion rod.
 Fully electronic vaporizer (Iso, seo and Des) (with this option above mention vaporizers not required).
 Online pure sinewave UPS backup of 60 minutes for complete workstation.

Term and Condition:

- Warranty: The warranty period shall be of 5 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/UK/Europe/Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any two these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 04	
Clinical Specialty	Anesthesia and Ventilation
Generic Name	**Pulse Oximeter**
Clinical Purpose	**A pulse oximeter is a medical device that indirectly monitors the oxygen saturation of a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmogram.**

TECHNICAL SPECIFICATIONS

Non-invasive measurement of oxygen saturation and pulse rate with LCD screen.(LCD Size shall be Minimum 4 Inches or better.

- Desktop unit.
- Display of oxygen saturation and pulse rate.
- Oxygen saturation measurement range from 0 -100%.
- Pulse strength perfusion indication
- Capability of Plethysmography.
- Pulse rate measurement from 30-250 bpm.
- Visual and audible indication of alarms.
- Built-in battery backup 05 hours.
- High and low alarms settings. Power of 220 V, 50 Hz

Accessories:

- **Complete with standard accessories, including reusable type Adult sensor, Peads, Neonatal.**
- **1 extra set of all parameter leads, probes, Cables. (Peads, Neonatal and Adult).**

Term and Condition:

- essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer : USA/UK/ Europe/ Japan.
- Certification Required : FDA, CE-MDD/MDR, & MHLW any one these required
- NANDO Certificate is mandatory.

Serial No. # 05	
Clinical Specialty	Radiological Equipment
Generic Name	**Digital Color Doppler (High End).**
Clinical Purpose	It is immediately available imaging modality with its main use in obstetrical and antenatal care likewise in conditions when ionizing radiations are contra indicated.

TECHNICAL SPECIFICATIONS

- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Color Doppler with Fully Digital Beam former having 2D / M Mode and Doppler Facilities (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging, Doppler Signal Quality having DICOM Compatibility and upgradeable to CW and 4D imaging in convex and endo-cavity probe.

1- **B-MODE SPECIFICATION:**

a) Sector Scan Angle Variable in Four Steps.
b) Viewing Depth: 40cm or more (Both in Grey Scale and Color).
c) Frame Rate: 1500 f/sec or more.
d) Built-in cine loop with ability to vary reverse and slow motion of display; Internal Memory 2000 /600MB or more Color Images.
e) Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images.

2) **M-MODE SPECIFICATION:**

a) Magnification: x2 or more.
b) Sweep Speed: Slow, Medium and Fast.
c) Color Display of M-Mode.

3) **D-MODE SPECIFICATION:**

a) Pulse-Wave Doppler Measureable Velocity Range.
b) HPRF Doppler.

4) CONTINUOUS-WAVE DOPPLER:

a) Measurable Velocity Range: Steerable.

b) Must have Doppler Beam Steering and Bi-Directional Stereo-Audio.
c) Colorized Spectrum Display.
d) Automatic Baseline and Velocity Range Control.
e) Live Measurements for Doppler Spectrum.

5) COLOR DOPPLER MODE SPECIFICATIONS :

- Both CW and PW Doppler must be Continuous Steerable in the Color Blood Flow Image Mode in Real Time.
- 2D Image with Color, CW and PW Doppler.

Windows based System for easy usage with Programmable Control Panel Keys.
- Tissue Harmonic Imaging with 4THI or more Frequency. Power Doppler.
- Triplex Mode for Simultaneous Display of Color B/M and D-Mode Displays.
- 270db or more system dynamic range or more.

6) MEASUREMENT PACKAGE:

To provide Comprehensive Software Package for Measurement of Distance, Circumference,
Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness Measurement Software, IMT measurement software to be Provided as a Standard.

7) SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:

- Minimum 21-Inches or More LCD/LED/OLED Color Monitor, with Resolution 1280 x 1024 Pixels
minimum.
- Foot-Switch.
- 4 Active Transducer Connector for trans-thoracic Probes.
- DVD /CD Drive for Image Storage to be Built-in to the System.
- 500GB or more hard disk drive to be Built-in to the System.
- Built-in DICOM Compatibility. (3.0 with all components)
- Touch Command Screen Control at least 10.0 inches or more LCD/LED/OLED.
- Full DICOM (Upgradable)
- Probes must be supplied by same manufacturer.

Fibro-scan/ Attenuation Imaging for fat liver assessment.

8) UPGRADEABILITY :

- System Software must be Upgradable.

9)

STANDARD PROBES :

- 2 – 6 MHz Multi-Frequency Convex Probe for B/M/CDI/PW, strain and shear-wave Elastography. Probe should have single crystal technology with Pin/ pin-less connector.
- 7-15 MHz or more multifrequency linear probe with strain and shear-wave Elastography for small parts and MSK studies.
- 5-9 MHz or more Multi-Frequency linear probe with strain and shear-wave Elastography for small parts and vascular studies.

3D/4D- 2 TO 6 MHz Multi-Frequency Convex Probe .

- Multifrequency TVS/ Endo-cavitory Color PROBE with strain & shear-wave Elastography.

NOTE: All Probes must be supplied by same Manufacturer.
+ 1Mhz deviation from the quoted frequencies of probes would be considered as minor deviation.

STANDARD RECORDING DEVICES:

- Thermal Paper Printer with fifty Rolls of Paper (Black & White). WITH HD - CINEWAVE UPS Online with 30 minutes back up time for the System.(IMPORTED)

10) Tissue Doppler Imaging Mode.
11) Pure Wave / Pulse Inversion / Differential Tissue Harmonic Imaging to Enhance Effective Wide Band Frequency Range to provide Simultaneously Spatial Resolution, Contrast Resolution
and increased Penetration using Two Transmission Pulses at Different Frequencies Simultaneously and Reception at Harmonic as well as Differential Component.

12) Auto Image Optimization / Quick Scan Imaging for Automatic STC / GAIN and Doppler
Spectrum Adjustment with Optimal Image Quality by using One Touch Operation.
13) B-Flow / Dynamic Flow Imaging / E-Flow / Clarify.
14) Trapezoid Imaging / Virtual Convex Imaging with Linear Probe.
Compound / Aplipure Imaging for THI/both Frequency Compounding and Spatial Compounding in B/W and Color Mode.
16) Panoramic /SIESCAPE / Logic view Imaging with Measurements.
17) TISSUE CONTRAST ENHANCEMENT SOFTWARE/SPECKLE REDUCTION/X-View Plus.
18) 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.
19) Micro CPA / Superb Micro Imaging/vascular enhancement/B flow HD Color/ Micro-V with Color/spectral to Clearly Show Blood Flow in tiny Vessels.
20) Shear wave Elastography Quantification for body Organs especially Liver with both Convex & Linear Probes to visualize Tissue Stiffness by Generating Images through Shear Wave
Propagation.
21) Live Strain Rate Elastography with Quantification for Body Organs Specially Breast to Visualize Lesions.
22) Contrast enhancement software
Voltage : 220V – 240V, 50 – 60 Hz

Accessories :

1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
3. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
3. 50 High Density / High Glossy thermal paper Rolls
4. Gel: 30 liters
5. Revolving chairs for the ultrasound operator (2 per machine)
6. Patient Couch
7. Latest computer system with Printer for Ultrasound reporting. Package should include computer table with computer chair
8. Wall-hanging X-ray film viewer

Optional:

Fusion Imaging with overlay of color doppler of CT / MRI 3D Volume DATA to Synchronize with
Ultrasound Imaging.
Complete with Hardware /needle navigation with tracking system.
Contrast Harmonic Imaging Upgradable.
Hockey-stick probe (frequency range 8-16Mhz)
Bi-plane TVS probe
HD imaging/luminance imaging process technology to make 3D/4D images of fetus and anatomical structures appear more realistic.
- 4-11MHz micro-convex pediatric probe.
Breast-Body Map/Breast scan guide to overlay position between Mammogram and ultrasound
image.

SITE PREPARATION (If required):

As per requirement of procuring agency.

WARRANTY

05- Years Manufacturer's comprehensive warranty of the unit along with other third party items will be provided including service and spare parts for components of the system.

REMOTE SERVICES

The firms will provide the remote service connectivity through modem with manufacturer’s

remote service center.
The firms will also provide the connectivity/license to share the global resources for information, images, clinical protocols and research purposes and remained valid till the life of
USG.

Term and Condition:

- Warranty: five (5) year manufacturer comprehensive warranty of the unit along with other third party items will be provided including service and spare parts for components of the system.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW Dual required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Parts list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 06	
Clinical Specialty	**ENT**
Generic Name	**ENT LED Microscope for OPD**
Clinical Purpose	For detail and better examination of ear.

TECHNICAL SPECIFICATIONS

- Smooth one hand movement
- Fine adjustable ball joint system or better Focal length F=250mm or better
- Eye piece lens 10x/ 12.5x with dioptic adjustment
- Coating of eyepiece lens 4 layer anti –reflection coating
- Minimum interpupillary distance 50mm to 75 mm
- Total magnification 3.75x, 6.25x, 10x
- Effective visual field 44mm dia. (3.75x), 31mm dia (6.25x), 20mm dia (10x)
- Light source LED
- Color temperature 5000K or better
- LED light intensity 13500 lux or better
- LED life time 20,000 hours or better
- Power source AC 220V, 50 Hz single phase
- With standard accessories

Optional:

CCD Camera Attachment with beam splitter

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 07	
Clinical Specialty	**ENT**
Generic Name	**Flexible Nasopharyngoscope for ENT with Channel (To Take Biopsy)**
Clinical Purpose	The flexible nasopharyngoscope for ENT with working channel helps the surgeon in suctioning out the nasal secretion as well as to take biopsy sample from upper airway

TECHNICAL SPECIFICATIONS

Shaft Diameter:
3.8 mm or less
Working Channel inner Diameter:
2.1 mm or less
Working Length:
300 mm or more
Angel of View:
70 Degree or Better
Angulations up/down:
100 or better
Direction of view:
0 Degree
Depth of view
5- 50 mm or better Cleaning Brush
Biopsy Forceps Grasping Forceps Light source LED
Fiber Optic Light Cable

Accessories:
Sterilization and storage system complete

Term and Condition:

- Warranty: The warranty period shall be of 2 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 08	
Clinical Specialty	**Ophthalmology**
Generic Name	**OPTICAL COHERENCE TOMOGRAPHY (OCT)**
Clinical Purpose	Diagnostic for Retina glaucoma and corneal diseases.

TECHNICAL SPECIFICATIONS

1. Scan modes : Confocal/LSO/SLO/lLive OCT Fundus/Fundus Image
2. Scan speed : Min 50,000 A-Scan/sec or more
3. Including Optic Nerve Head Analysis, Macula
4. Anterior Segment : With Anterior Segment Module
5. Computer: Originally Supplied by the manufacturer.

Accessories:

1. Color laser printer with one extra toner set
2. With original motorized table/ Imported from USA/ Europe/ Japan

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 09	
Clinical Specialty	**Ophthalmology**
Generic Name	**YAG LASER**
Clinical Purpose	Therapeutic

TECHNICAL SPECIFICATIONS

1. Q-Switch Nd- YAG Laser.
2. Solid state
3. Laser Wave length: 1064nm.
4. Laser power: upto10mJ
5. Pulsed Length: 2 to 4 ns.
6. Aiming Beam: He Ne / Diode.
7. Cooling : Air
8. Spot size: Less than 20 microns
9. Power: 220V, 50 Hz.
10. Contact Lenses for Yag, Capsulotomy and Iridotomy required

Accessories:
With original motorized table/Imported from Europe/Japan/USA.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 10	
Clinical Specialty	**Ophthalmology**
Generic Name	**SLIT LAMP BIOMICROSCOPE WITH DIGITAL IMAGING SYSTEM**
Clinical Purpose	Diagnostic for examination of the eye and teaching of students simultaneously.

TECHNICAL SPECIFICATIONS

Binocular tube with vertical type eye width adjustment.
Illumination LED or Halogen.
Eyepieces with dioptric adjustment 10X to 16X any one pair.
Magnification range variable from 10x to 35x (5 steps or zoom).
Slit length: variable.
Tilt mechanism: 20^{o} or better.
Slit image rotation: 0 to 180^{o}.
Filters: Standard filters
With hanging type applanation tonometer. with extra prism and calibration kit
Including original digital camera with adapter.
PC for reporting: Core i5, 4GB RAM, 1TB hard disk or better, USB port. 19' LCD
Chin-rest papers.

Accessories:
With original motorized table/Imported from Europe/Japan/USA.
Dust cover
Chin rest papers
Breath shield
With extra 12 lamp only for Halogen illumination Slit lamp.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 11	
Clinical Specialty	Pediatric/Neonatal Equipment
Generic Name	**TRANSCUTANEOUS BILIRUBINOMETER**
Clinical Purpose	Bilirubin meter is used to analyze serum bilirubin value.

TECHNICAL SPECIFICATIONS

Type: Noninvasive for measurement through forehead or sternum.

- Gestational age: 24-42 weeks
- Total serum bilirubin range: 0 to more than 20 mg/dL
- Accuracy (RMSE): +/- 1.5 mg/dL at 66% of the time or 1 sigma
- Power 100-240 V AC, 50 Hz
- Rechargeable battery 30 measurements on full charge
- Complete with Desk top charger
- Light source checker should be integrated.
- Light source life up to 150000 measurements
- Data storage at least 100 patients
- Should not use any consumable for this machine.
- Should have a reusable measuring probe, to apply wipe disinfection
- Data Transmission through USB Port

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 12	
Clinical Specialty	**Pulmonology**
Generic Name	**Flexible Video Bronchoscope**
Clinical Purpose	Bronchoscopy is an endoscopic technique of visualizing the inside of the airways for diagnostic and therapeutic purposes to evaluate a patient's lung and airways including the voice box and vocal cord, trachea, and branches of bronchi.

TECHNICAL SPECIFICATIONS

Full HD (1920 x 1080) Adult video bronchoscope with CCD/CMOS advanced technological features:

- Insertion tube Diameter: 5.5 mm or less
- Instrument channel 2.0 mm or more
- Working Length: 600 mm or more
- Distal End 5.5 mm or less
- Field of View: 120 Degree or Better
- Depth of view: 3-100 mm or better
- Angulations up/down: 210 /130 or better
- Image Enhancement Technology NBI/FICE/I-Scan/S-Filter
- Fully Immersible

Biopsy Forceps

- Foreign Body Removal Forceps
- Trans bronchial aspiration needle

Full HD Video Processor System (1920 X 1080)

- High Definition Video System having following features.
- HD-SDI / DVI outputs
- HD Image Quality with 1920x1080 Resolution or better
- Programmable functions through endoscope switches
- Automatic gain control/Automatic Light Control/ Light Exposure Control
- Freeze screen display
- Patient data/image storage facility
- keyboard for data handling
- Capable for visual enhancement and differentiation of vessels and Capillaries.
- System must be compatible with EBUS System

LED / LCD High Definition Color Monitor

26" or more Medical Grade Monitor.
Trolley / Wall mounted for teaching
Aspect ratio of 16:9 or more.
Separate or built in medical grade digital video HD recorder.
- Having recording and DVD Writing facility with integrated 450 GB or more Hard Drive

Built in or Separate battery backup for whole system with minimum 30 minutes battery backup.
Trolley based Workstation.
Swivel arm for monitor.
Electrical wiring with sockets and isolation transformer
Sliding Keyboard shelf / tray.
Placement provision of printer.
IMPORTED

LED Light Source For Full HD Processor

LED light Source for Video Scopes.

Brightness level adjustable.
High intensity mode.
Air pump.
Monitoring of lamp usage.
locally made cupboard for hanging scopes in steel, stainless steel, or wood:As Per Standard

Optional:

EBUS system As per PVMS(but not mandatory to quote)
Working Channel Diameter **(2.8 mm/2.0 mm /1.2 mm)**

Each two qty:

Biopsy Forceps
- Foreign Body Removal Forceps
- Foreign Body Removal Baskets
- Electro Cautery Forceps
- Electro cautery Snare
- Trans bronchial aspiration needle
- Disposable cytology brush

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -02	
Clinical Specialty	Gynecology & General Surgery
Generic Name	**2D Full HD Operating Laparoscope (Adult)**
Clinical Purpose	Laparoscope is used for the surgical procedure in which fine instruments are inserted through abdominal wall to view the organs in the abdomen or permit small scale surgery.

TECHNICAL SPECIFICATION

 Imaging system should have backward and forward compatibility and modularity for futures upgrade and with latest image enhancement modules for better image quality and identifications of the landmarks and pathology for better outcomes of the surgery

 The laparoscope of these specifications shall be provided/compatible with full HD minimum of 1920 x 1080 pixels with the method of Progressive Scanning

Telescope Adult:

i.10 mm straight, 30o view working length 290-340 mm
ii. 5 mm forward oblique “30” degree : Qty:02

Pediatric Telescope:

III. 3mm, Straight Forward Telescope 30°, length 18 to 29 cm, autoclavable
Iv. 5 mm, Straight Forward Telescope 0°, length 18 to 29 cm, autoclavable

Camera Full CCD or CMOS (1920x1080 Pixels)

v. Camera control unit and video camera Head, Pal system.
vi.Integrated (image processing model)
vii.Power supply accordingly

Special Feature Required:

viii.Automatic or manual while balance
ix. Powerful video signal processing
x. Image enhancement modes.
xi.Picture in picture mode control via camera head button or monitor
xii. Control of peripheral i.e., light source, recording system parameter via camera head button or console
xiii.Still image capturing in full HD quality (JPEG) format via camera head buttons
xiv.Video capturing in full HD quality (MPEG 4 format) via camera head buttons
xv. Should have compatibility with video scope of same brand.
xvi.Max. resolution: 1920 x 1080 -pixel, progressive scan
xvii.Video Output: HDMI OR DVI OR SDI
xviii.Composite signal to BNC Socket.
xix. S-Video Signal to 4-pin mini–Din Socket (2X)
xx. RGB Signal to D-Sub Socket.
xxi.DV Signal to DV Socket (only with DV Module)
Xxii. 5 pre-set or better
Xxiii. 5 pateints data backup or better

Monitor:

 Medical graded full HD LCD or LED 27 Inch or better with Resolution 1920x1080 from the same manufacturer
 ARM or STAND FOR THE LED or LCD Monitor Imported/Local trolley also acepted
 Light Source -25000 hr or more LED
 LED with all standard accessories.

 Light guide cable, diameter 4 mm or more length minimum 200 to 300 cm
 Electronic CO_2 insufflator
 40-50 Liter/min complete in all respect with all standard accessories
 Smoke Evacuator System or Anti Fogging System.
 Clip applicators.
 Trocar with trocar sleeve 10mm Approx. (2 No's)
 Trocar with trocar sleeve 05mm Approx. (2 No's)
 High flow verses needle. (2 No's)
 Integrated or separate medical graded video recorder with storage capacity of 500 GB or more.

Accessories:

- Online 2KVA UPS with 30 min backup to be provided locally
- CO_2 Cylinder 240CFT with complete accessories (to be supplied locally) certified by respective agency
- Imported storage boxes for instruments and optics
- Imported disinfection Boxes
- Standard Cleaning Set as manufacturer recommendations for cleaning of tubular shafts and other instruments

Optional:

LIST OF INSTRUMENTS REQUIRED FOR GENERAL SURGERY.

Note: The Minor deviation in sizes and type of the instruments would be acceptable.
The Size of Instruments Approximate. The mentioned shaped and style of instruments is reference and may
be quoted their equivalent.

Hasson Cone:

vii) Maryland dissecting forceps slightly curved with Cannula pin for unipolar coag Dia 5mm, length 30-
36 cm, insulated, relatable.
viii)Dissecting forceps insulated rotatable needle nose.
ix) Reddick-Olsen dissecting and grasping Forceps, heavy.
x) Dissecting and Grasping forceps, alligator jaws with connector pin for unipolar coagulation, size 5mm. (rotatable, straight)
xi) Dissecting and Grasping Forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm.
length 30-36 cm length, double action jaw.
xii) Dissecting and grasping forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm36
cm length, double action jaw grasping forceps with teeth with connector pin for unipolar coagulation, size 5mm double action jaw with ratchet.
xiii) Multifunction grasping forceps, 1x2 teeth with connector pin for unipolar coagulation, size 5mm
xiv) Bowel grasping forceps, two rows of traumatic teeth without connector pin for unipolar coagulation, size 5/10mm.
xv) Bowel Grasping Forceps With connector pin for unipolar coagulation, size 5/10mm.
xvi) Babcock Grasping Forceps rotating, dismantling with connector pin for unipolar coagulation, size
5/10mm. (with ratchet).
xvii) Babcock Grasping Forceps rounded without connector pin for unipolar coagulation, size 5/10mm.
xviii) Claw forceps, single/double/action jaw, with teeth, size 5/10mm, length 33-36, 01short, rotating consisting of Mattel or sterilizable handle with ratchet, outer tube, insulated, forceps insert.
xix) Clip applicator (medium large) & medium, rotating, ratchet with clips.
xx) Tenaculum forceps, rotating, size 5/10 mm, length 33-36 cm, and Mattel or sterilizable handle with
ratchet, outer tube, insulated, and forceps insert.
xxi) Metzenbaum scissors, curved rotating, with connector pin for unipolar coagulation, size 5 mm, length 33-36 cm insulated handle, outer tube, insulated.

xxii)Curved/angled scissors, rotating, size 5mm, length 33-36cm: insulated handle, outer tube, insulated.
xxiii) Micro scissor curved 5mm, insulated with diathermy Lead.
xxiv) Hook scissor single action jaws, size 5 mm, length 33-36 cm: insulated handle, outer tube, insulated, insert.
xxv)Scissor straight 5mm insulated with diathermy.
xxvi) L Shaped dissecting electrode /diathermy size 5mm, insulated, length 33-36 cm (L-hook dissector).
xxvii) Coagulating and dissecting electrode, spatula-shaped, blunt with connector pin for unipolar coagulation, size 5 mm, working length 33-36cm.
xxviii) (Injection) Aspiration needle 5mm.
xxix) Biopsy forceps insulated (5mm).
xxx)Bipolar diathermy electrode.
xxxi) Uterine cannula, with 2 cones, large and small spring-loaded fixation for forceps with luer lock adaptor for cleaning.
xxxii) Uterine tenaculum forceps, length 22cm.
xxxiii) Suction and coagulation cannula, 3mm, with connector pin for unipolar coagulation, 30cm.
xxxiv) Dissecting electrode l and j shaped.
xxxv) Needle holder 5 mm
xxxvi) Needle grasper 5 mm
xxxvii) Thread manipulator 5 mm
xxxviii) Retractor 10 mm (3 blade)
xxxix) Knot pusher.
xl) Diathermy Leads Autoclavable.
xli) Bipolar Forceps and Leads.
xlii) Clip applicators.
xliii) Trocar with trocar sleeve 05mm Approx.
xliv)High flow verses needle.

Optional Pediatric Instruments:

LIST OF INSTRUMENTS REQUIRED FOR GENERAL SURGERY (Minor size deviation is acceptable)

 Trocar, size 3.5 mm, with pyramidal tip, Cannula with locking mechanism from inside the body, length (3-6) cm, with /without Lock connector for insufflation.
 Trocar, size 5/6 mm, with pyramidal tip, Cannula with locking mechanism from inside the body, length (5-6.5) cm, without Lock connector for insufflation
 Trocar, size 10/11 mm, with pyramidal tip, Cannula, length 8.5-11 cm, with lock for insufflation.
 Kelly Dissecting and Grasping Forceps, rotating, size (3-3.5) mm, length (20-24) cm, with connector pin for unipolar coagulation, double action jaws, with lock for cleaning, Plastic Handle, without ratchet, outer tube with insert, insulated
 Dissecting and Grasping Forceps, Right Angle, rotating, size (3-3.5) mm, length (20-24) cm, with
connector pin for unipolar coagulation, double action jaws, with lock for cleaning, Plastic Handle, without ratchet, outer tube with insert, insulated
 Dissecting Grasping Forceps, rotating, size (3-3.5) mm, length (20-24) cm heavy, with connector
pin for unipolar coagulation, double action jaws, with lock for cleaning, Plastic Handle, without ratchet, outer tube with insert, insulated
 Dissecting and Grasping Forceps, rotating, size (3-3.5) mm, maximum length (30-36) cm heavy, with connector pin for unipolar coagulation, double action jaws, with lock for cleaning, Plastic Handle, without ratchet, outer tube with insert, insulated
 Scissors, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with lock irrigation connector for cleaning, double action jaws, serrated, curved, conical, size (3-3.5) mm, length (20-24) cm, Plastic Handle, without ratchet, outer tube with insert, insulated
 Micro Hook Scissors, rotating, insulated, with connector pin for unipolar coagulation, with lock, irrigation connector for cleaning, single action jaws, size (3-3.5) mm, maximum (20-24) cm, Plastic Handle, without ratchet, outer tube with insert, insulated
 Dissecting and Grasping Forceps, with especially atraumatic, fine serration, rotating, size (3-3.5)
mm, length 30 to 36 cm with connector pin for unipolar coagulation, single action jaws, with lock for cleaning, Plastic Handle, without ratchet, outer tube with insert, insulated

 Needle Holder, with tungsten carbide inserts, slightly right curved, straight handle, with ratchet, size 3 mm, length 20 cm
 Bipolar Kelly Grasping Forceps rotatable, with connector pin for bipolar coagulation, especially suitable for dissection, double action jaws, size 3.5 to 5 mm, length (20-33) cm,
 Bipolar Grasping Forceps rotatable, with connector pin for bipolar coagulation, with especially
fine atraumatic serration, fenestrated, double action jaws, size 3.5 to 5 mm, length (20-33) cm
 Bipolar Scissors rotatable, with connector pin for bipolar coagulation, curved blades, double action jaws, size 3.5 to 5 mm, length (20-33) cm
 Coagulating and Dissecting Electrode, L-shaped, tapered tip, with cm- marking, with connector pin for unipolar coagulation, size 3 mm, length 20 to 30 cm
 Suction and Irrigation Tube, with lateral holes, size 3 mm, length 20 & 30 cm, for use with handles, for suction & irrigation with pistol grip handle
 Unipolar High Frequency Cord, with 5 mm plug, length 300 cm, for use with HF system
 Bipolar High Frequency Cord, length 300 cm,
 Babcock Grasping Forceps, fenestrated, rotating, (3-3.5) mm, length (20-24) cm double action jaws, with lock
 Adaptor for cleaning, with Metal- handle, without ratchet
 Knot tier, for extracorporeal knotting, size (3-3.5) mm, length (20-33) cm
 Verecess needle
 Fan Retractor, dismantling, distendable,5mm, length (30-36) cm
 aspiration Needle
 Dissecting and Grasping Forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm.
length 30-36 cm length, double action jaw.
 Dissecting and grasping forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm 36cm length, double action jaw grasping forceps with teeth with connector pin for unipolar coagulation, size 5mm double action jaw with ratchet.
 Multifunction grasping forceps, 1x2 teeth with connector pin for unipolar coagulation, size 5mm
 Bowel grasping forceps, two rows of traumatic teeth without connector pin for unipolar coagulation, size 5mm.
 Babcock Grasping Forceps rotating, dismantling with connector pin for unipolar coagulation, size
5mm. (with ratchet).
 Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length (30-36) cm, double action jaws,
 Claw Grasping Forceps rotating, with connector pin for unipolar coagulation, size 5 mm, length 30 to 36 cm, 2 x 3 teeth, single action jaws,
 METZENBAUM Scissors, rotating, dismantling, with connector pin for unipolar coagulation, with Lock irrigation connector for cleaning, double action jaws, curved, length of jaws 15 mm, size 5 mm, length (30-36) cm
 Coagulating and Dissecting Electrode, L-shaped, with connector pin for unipolar coagulation, size
5 mm, working length (30-36) cm
 Needle Holder, with tungsten carbide insert, straight handle with distendable ratchet, jaws curved
to left, size 5 mm, length (30-36) cm
 Needle Holder, with tungsten carbide inserts, slightly right curved, straight handle, with ratchet, size 5 mm, length (30-36) cm
 Percutaneous Pyloric spreader, rotating, dismantling, double action jaw, 3.5mm, length 20cm (May be supplied by different manufacturer)
 Instrument container from same manufacturer
 Telescope sterilization container from same manufacturer

Note :

- Country of Manufacturer for only instruments: USA/UK/Europe/Japan/Imported/Local.
- The quoted instruments must be compatible with the above main unit.
- It is mandatory to provide quotations for both local and USA/UK/Europe/Japan options.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -02	
Clinical Specialty	Peas Surgery
Generic Name	**CYSTOSCOPE & RESECTOSCOPE**
Clinical Purpose	Pediatric urology is a surgical super specialty of urology & pediatric surgery dealing with the disorders of children's genitourinary systems (boys and girls) from birth to adolescence. This supra specialty concerned with anatomy, physiology, clinical recognition and treatment of various congenital & acquired diseases of Genito urinary tract in children.

TECHNICAL SPECIFICATIONS

CYSTOSCOPE SET FOR INFANTS & CHILDREN :
Telescope 0° , 30° Degree (1.2mm, .9 MM)
Cystoscope Sheath (9.0Fr - 14Fr)
Adopter with 1 Instrument port
Insert with Deflector
Operating (Compact) cysto-urethroscope 50 - 120 Degree (7.5 - 12 Fr) with straight working channel
Grasping Forceps Flexible 3-5 Fr
Biopsy Forceps Flexible 3-5 Fr
Cold knife Triangular 3 Fr (compatible with set)
Hook electrode 3-5 Fr
Button Electrode 3-5 Fr
HF Cable

RESECTOSCOPE FOR INFANTS & CHILDREN (PU
Telescope 0°, 30 Degree (1.2 MM & 0 .9 MM)
Resectoscope Sheath 10-12 Fr
Instrument port
Telescope Bridge compatible
Working Element with electrode attachment
Cutting Loop
Hook electrode
Coagulating electrode
Grasping Forceps 3-5 Fr
Endoscopic Micro scissors 5 Fr
Bladder syringe compatible 50-100 ml
Accessories:
Sterilization Container
Protection Tube

Note: These are compatible with the quoted model of 2D Full HD Laparoscopy.

Optional (if any):
Operating (Compact) cysto-urethroscope 50 – 7 0 Degree (4.5/6.5 Fr) with straight working channel
Injection Needle 3 Fr
Foreign Body optical Forceps 14 Fr
Optical Forceps (rigid) 14 Fr
Optical Biopsy forceps 14 Fr

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot

- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -02	
Clinical Specialty	Operation Theater and General Surgery
Generic Name	**ARTHROSCOPE**
Clinical Purpose	An **Arthroscope** is a specialized medical instrument used in **arthroscopy**, a minimally invasive surgical procedure performed to diagnose and treat problems inside a joint (commonly knee, shoulder, elbow, ankle, hip, and wrist)

TECHNICAL SPECIFICATIONS

1. Telescopes, diameter 04 mm, length 12 to 18 cm , autoclave able, fiber optic light transmission
a. **Wide Angle Forward Oblique Telescope 30 degree**

2. High – Flow Arthroscope Sheaths with Automatic Lock-in Coupling Mechanism and with Snap-in Coupling Mechanism
a. For use with Telescopes, diameter 04mm, length 18cm
b. High Flow Arthroscope Sheath, diameter 06 mm, with two stopcocks

Note: These are compatible with the quoted model of 2D Full HD Laparoscopy.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 15	
Clinical Specialty	Operation Theater and General Surgery
Generic Name	**FLEXIBLE REAMER SET**
Clinical Purpose	It is used to ream the intramedullary Canal for long bones

TECHNICAL SPECIFICATIONS

Reamer set FLEXIBLE type with diameter 7mm,7.5mm, 8mm,8.5mm, 9mm,9.5mm, 10mm,10.5mm 11mm,11.5mm, 12mm, 12.5mm,13mm,13.5mm, 14mm
Reamer Size measurment device & Guide wire- qty: 03
AWL for feamur & Tibia entry portal. Qty: One each

Term and Condition:

- Warranty: The warranty period shall be of 1 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan/Imported.
- Mode: DDP (the bidder is required to quote prices on mode i.e. DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 16	
Clinical Specialty	Dermatalogy
Generic Name	**Phototherapy Cabinet for Dermatology (Full Body)**
Clinical Purpose	Used for full-body treatment of dermatological conditions such as psoriasis, vitiligo, eczema, atopic dermatitis, and other photo-responsive skin disorders.

TECHNICAL SPECIFICATIONS

- 22-28 NB UVB Lamps – 220nm to 350 NM.
-
- 06 inch or above TFT color touch screen

Dimensions:

Length: 85–95 cm → 850–950 mm
Width: 87–99 cm → 870–990 mm
Height: 190–220 cm → 1900–2200 mm
Effective Radiation Area: 38000 to 45000cm2±10%
- Integrated dosimeter to set parameters and measure energy output
Security lock-out prevents unauthorized use of unit
- Protective Grid prevents direct contact with lamp
UV Source: High-quality UVA/UVB narrowband fluorescent tubes or equivalent medical-grade UV lamps.
Lamp Life: ≥ 1000 hours (replaceable)
Spare UV lamps (minimum 2)
-- Patient's safety goggles - 02
Weight (with doors): Minimum 450 lbs (≈ 204 kg) to Maximum 700 lbs (≈ 318 kg) or above
Voltage 110 -240 V, 50 or 60 Hz

Accessoires :
UV intensity meter

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables like UV Lamp etc..
- Country of Manufacturer: USA/Uk/ Europe/ Japan/imported.
- Certification Required: FDA, CE-MDD/MDR, MHLW & ISO 13485 any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -03	
Clinical Specialty	**Nephrology**
Generic Name	**Dialysis Machine (Standard)**
Clinical Purpose	Hemodialysis, also spelled hemodialysis, commonly called kidney dialysis or simply dialysis, is a process of purifying the blood of a person whose kidneys are not working normally. This type of dialysis achieves the extracorporeal removal of waste products such as creatinine and urea and free water from the blood when the kidneys are in a state of renal failure

TECHNICAL SPECIFICATIONS

- Various Dialysis Therapies including double needle system & single Needle with single Pump.
- Dialysis machine system should be open consumable types
- Variable Bicarbonate Concentration.
- And no binding on consumable or disposable
- Bicarbonate profiling with monitoring /Proportion / Dialysate Profiling / Variable Bicarbonate
- Variable temperature control
- Water Inlet pressure requirement up to 6 Bar or more.
- Heparin Pump Automatic stop & Bolus provision
- Programmable Ultra filtration with control or varying rate
- Ultra- filtration with or without diffusion
- Ultra-filtration Rate Control: Range of UFR 0.0 to 3.00 liter/ hour or above.
- Automatic priming with display
- Dialysis machine with Digital Touch / Graphical TFT / LCD display
- Service diagnostic and calibration mode on display
- Touch Electronic control of low rate and blood flow
- Automatic clean, disinfect and rinsing mechanism, built in heat disinfect system
- Should capable to record disinfection history
- Should capable to record patient data without/with patient Card
- Blood Pump 0/50-500/ml/minute or above
- Variable Dialysate Flow: From 300 to 700 ml or more
- Temperature Control: up to 39 deg. C. (Adjustable)
- Arterial Pressure Monitor/dialyzer inlet pressure /Venous Pressure Monitor
- Air Bubble Detection: Air bubble detector alarm threshold.
- Blood leak Detection, Sodium profiling
- Online B.P Monitoring System
- Battery backup for at least 10-min or more, 220V, 50HZ
- Endo toxin retention filter
- Note: Compatible Voltage Stabilizer, (To protect the machine from sudden spikes in power supply), BP Cuff or any another accessories should be included & covered in warranty period
- Dialysis Adequacy Monitoring
- Dry powder bicarbonate concentrate facility

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be

supplied with system.

- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -03	
Clinical Specialty	**Nephrology**
Generic Name	**Water Treatment System (RO System)**
Clinical Purpose	Reverse osmosis (RO) is a water purification technology that uses a semi permeable membrane to remove ions, molecules, and larger particles from drinking water. In reverse osmosis, an applied pressure is used to overcome osmotic pressure, a colligative property

TECHNICAL SPECIFICATIONS

RO Water Purification System:

Meets the highest industry standard (AAMI) for pure water of AAMI or greater of quality for Water to Dialysis Machines and Renal Patients for improvement in quality of life with the highest innovation.

RO Water Purification System to operate 08-10 Dialysis Machines

- Medical grade PVC /stainless steel piping.
- Raw Water Tank 500 Gallon and above (qty 1)
- Feed Pump Stainless Steel, 220v, Single Phase (qty 2 imported)
- Sand Filter [16x65"] – [120 to 140 Kg Sand (Imported/ Local)] (qty 1)
- After sad filter the ppf filter of 20 micro 20 inch (qty 1)
- Carbon Filter [16x65"] – [50 to 70 Kg Carbon (imported)] (qty 1)
- Water Softener [16x65"] – [150 Ltr Resin (Imported)] (qty 1)
- Anti-Scaling Chemical Dosing System with 100-liter tank
- PPF Filter 20" 5 micron (qty 1)
- High-Pressure Pump 220v, Single Phase with auto low/high pressure switches (qty 1)
- Membrane with housing 4x40" [Output 300 Ltr/Hour] (Imported) - (qty 2)
- RO Water Storage Tank 250 Gallon, HDPE (Medical Grade) - (qty 1)
- Booster Motor (Imported) – (qty 2)
- Direct feed to Dialysis machines through UV sterilizer (50 watt or more) after pure water storage tank
- Booster PPF Filter 20" (qty 1)
- RO Mounted on SS305 / 308 SKID (corrosion-proof)
- RO internal Plumbing HDPVC Schedule 80
- Product & Reject Flow Meters
- Product & Reject ONLINE TDS / Conductivity Meter (qty-2)
- Manual Operation in Case of Electrical Control Panel Failure
- Automatic inlet shut off valve (qty-1)
- Feed Pressure Gauge qty 2
- High Pressure Gauge qty 1
- Solenoid Valve
- Check Valve qty 1
- Float Switch qty 2
- Pressure Switch qty 2
- High Pressure Pump Coupling

Mandatory:

Quality of water will be checked periodically by the company every 4 months (for chemical contamination, colony forming units and endotoxin level according to AAMI standard from standardized laboratory).

Disinfection of RO unit & piping will be done by the company:

Any civil work required for the installation of Ro System will be done by the Supplier (The hospital will be responsible to provide the electricity, water supply and sewerage line up to the Dialysis Unit. All the civil the work, including electric fitting, medical grade piping & allied civil works etc. within the Dialysis Unit will be done by the Supplier).

Note: The company may quote local made RO system as per PSQCA standards

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial

quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.

- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: Local-Imported.
- Mode: DDP (the bidder is required to quote prices on mode i.e. DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 15	
Clinical Specialty	Plastic Surgery
Generic Name	DERMATOME & MESHER
Clinical Purpose	Suitable for effective patient for skin grafting procedure

TECHNICAL SPECIFICATIONS

Electric Dermatome:

- Using the calibrated depth gauge, cut thicknesses can be easily selected.
- Skin grafts can be adjusted in 0.1 mm increments
- Accurately controlled graft widths of 73 -100 mm or better
- Technical Feature:
- Cutting width: 73mm or better
- Cutting thickness range: Min. 0.2 or less, Max. 1.00 mm or better
- Operating speed range: 2000 – 6500 rpm or better
- Graft Reduction plates at least four Different sizes

ACCESSORIES:

- Sterilization container: 01
- 50 Blades
- Manual
- Screw Driver/Key less

Skin Graft Masher:

- Skin graft masher with keyless disassembly
- To be used with sterile skin graft carriers size 1:1.5, each pack of 10
- To be used with skin graft carriers size 1:3, each pack of 10
- To be used with skin graft carriers size 1:6, each pack of 10
- Rachet Handle
- Sterilization case (Local Accepted)

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 16	
Clinical Specialty	Plastic Surgery
Generic Name	PLASTIC SURGERY SET
Clinical Purpose	Used for full-body treatment of dermatological conditions such as psoriasis, vitiligo, eczema, atopic dermatitis, and other photo-responsive skin disorders.

TECHNICAL SPECIFICATIONS

Microsurgical Forceps

- Straight & curved micro forceps 4" & 6 "(0.12 mm & 0.3 mm tips)
- Jewelers forceps 11" (No. 5, 7)

Microsurgical Scissors

- Straight & curved micro scissors (spring handle) 6 " without lock
- Vannas / Castroviejo scissors

Needle Holders (Microsurgical)

- Castroviejo needle holders (straight & curved, with lock & without lock)- 7"

Microvascular Instruments

- Microvascular clamps (Bulldog,/Acland)- Venous & Arterial both
- Microvascular dilators / irrigating cannulas

Humby's knife / Watson's knife : QTY :02

Basic Surgical Instruments

- Scalpel handles (#3, #4) with blades (#10, #15, #20)
- Tissue scissors (straight & curved, e.g., Metzenbaum)- 6"
- Adson forceps (with & without teeth)- 6"
- Fine dissecting forceps (0.5 mm tip)- 6"
- Small skin hooks -- 8"
- double skin hooks - 8"
- Mosquito forceps (curved & straight) 5"
- Needle holders (small & medium, e.g., Mayo-Hegar)
- Tendon retriever forcep
- Tupper Universal hand retractor set
- Manual K wire driver

Special Cleft Palate Instruments

- Periosteal elevator
- Cleft palate elevators
- Cheek retractors
- Self-retaining palate retractor (Dingman gag) with blades
- Palate hooks (various sizes, single/double prong)
- Alveolar / cheek retractors
- Right-angled retractors (for soft palate)
- Vascular loupe 2.5 x &3.5 x

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan/Imported.
- Mode:DDP -the bidder is required to quote price on mode i.e. DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 17	
Clinical Specialty	Plastic Surgery
Generic Name	Pneumatic Tourniquet
Clinical Purpose	Tourniquet is used to occlude arterial blood flow following exsanguinations to produce a relatively bloodless operative field and to minimize blood loss

TECHNICAL SPECIFICATIONS

- Compressed air Automatic tourniquet.
- Set Parameters for dual cuff:

I. Cuff Pressure
II. Timer

- To be easy to inflate and deflate.
- Hand pump to allow manual inflation of the cuff in an emergency.
- Mobile stand with a basket for cuffs

12" and 18" double bladder tourniquet cuffs with Velcro fittings autoclave able.

Term and Condition:

- Warranty: The warranty period shall be of 01 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan/imported.
- Mode: DDP - the bidder is required to quote price on modes i.e.DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -04	
Clinical Specialty	**DENTAL**
Generic Name	**Physiodispenser & Straight and Contra - angle hand piece/ Surgical Electric Micro Motor with Straight and Contra Angle Surgical Hand Piece**
Clinical Purpose	Use for Oral Surgical Procedures

TECHNICAL SPECIFICATIONS

Max. torque at the rotary instrument: 60-80 Ncm or better
Max. mechanical output power: 100 to 120W
Max. torque at the motor: 6 Ncm or better
Length of motor cable: as per manufacturer standard
RPM 300-40000 or better
Provision of Straight and contra angled Hand piece
Foot control

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: Local-Imported.
- Certification Required: FDA, CE-MDD/MDR, & MHLW/ISO/ Quality any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -04	
Clinical Specialty	**DENTAL**
Generic Name	**Rotary Endo motor/ Endo motor**
Clinical Purpose	Use in Root Canal Treatment (R.C.T)

TECHNICAL SPECIFICATIONS

Portable unit to perform root canal preparation in several treatment rooms.
Battery-powered unit and can be used during charging.
Should have integrated apex locator
The machine should have file library
User interface for easy operation with tillable display for optimum view.
Integrated apex locator for optimal measuring accuracy without a file clamp when using the contra-angle hand piece
Automatic Motor Stop
Rotation Clockwise and anticlockwise
Wire / Wireless Treatment
The unit should be equipped with a storage battery with the backup time of 1 to2 hours or better.
Removable and disinfect able Motor Holder
Frequency: 50-60Hz
Power: 30W or better
Motor Speed: 100-630 rpm or better

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: Local-Imported.
- Certification Required: FDA, CE-MDD/MDR, & MHLW/ISO/ Quaility any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -04	
Clinical Specialty	**Dental**
Generic Name	**Dental Unit**
Clinical Purpose	Dental Unit is a key equipment of any dental surgery, It is equipped with various dental instrument for dental treatment.

TECHNICAL SPECIFICATIONS

Manually / Automatically adjustable articulating headrest
Right armrest Swiveling/ up and down for entry and exit of patient while left one is fixed
2 programmable / pre-set chair positions (Mouth rinsing and entry / exit position)
2 programmable chair positions for user profile
Chair movement through silent electro hydraulic system.
Automatic Emergency stop of chair once it meets an obstacle and unit stop chair instantly.
Synchronized movement of backrest and seat cushion by electro hydraulic
system prevents construction/over extension of the patient. The position of the patient's head on
the headrest remains constant when the chair is lowered.
4-way Joystick for adjustment of chair & backrest positions / foot control. Pneumatic Foot switch
for controls of hand pieces, chip air and spray

Dentist's Element

The control panel can be used for operating functions, preset and programmable positions
.Hand piece holders.
5 hand piece positions including 3way syringe

Equipped with:

1 x 3-way syringe with autoclavable tip
3x hand piece tubing Midwest type and fitting.
Removable silicone tray pad
Removable Hand Piece for cleaning and disinfection

Assistant's Element

Swiveling assistant element mounted attached on water unit
Control of function keys of entry / exit position, chair positions, filling, flushing the bowl and
switch the light ON/OFF
Number of hand piece positions including 3way syringe: 3/4

Equipped with:

1 x 3-way syringe with autoclave able tip 1 x High Volume Evacuation hose, autoclave able suction
hand pieces with adjustment sucti1on pressure
1 x saliva ejector hose , autoclave able suction hand piece with adjustment suction pressure

Water Unit

Automatic Bowl Rinse function with moveable spitting ceramic bowel/Glass bowel. Automatic
Glass Fill function with time adjustment Clean water system with the facility to change from
clean (water bottle) to tap water with switch Self suction or ready to connect in case of central
suction.

LED Operating Light

For optimum illumination of the treatment site Flexible positioning via three flexible joints

Anti
glare for the patient through clearly confined luminous spot (No-touch) sensor for hygienic hands
free operation, Intensity change and light on/off Light on/off through control panel and via no
touch sensor Brightness is 25000 Lux or more, Temperature 4000-5000 Kelvin or above
02x Working Stools 360° one stool with backrest for Doctor and one stool with arm rest for
Assistant

High Speed Air Turbine Hand Piece:

Fixed connection, Midwest type 4 hole. Ceramic ball bearings Push button chuck type Speed
(Rpm): : 3,30,000 - 400,000 Tipple Spray

Electric Scalar (Built-in):

Ultrasonic Scalar Flexible and easy to use with a selection of tips designed for use in specific treatment areas such as Scaling, periodontology, endodontics, retrograde root treatment, micro preparation, filling therapy. Powerful, efficient and gentle treatment Large selection of tips for every scalar Outstanding brightness in scalars with lights Sterilize-able hand
piece and tips.
Drive: Piezoelectric
Oscillation: Linear Oscillation
frequency: 28-32 kHz

Slow speed Air motor

Slow Speed Air Motor with external water spray and speed range of 20,000 -40,000 rpm or betterwith straight and contra angle attachment

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/UK/EU/JAPAN
- Certification Required: FDA, CE-MDD/MDR, & MHLW any two certificate required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers..

Sr.No: 18	
Clinical Specialty	Dental
Generic Name	Mobile X-ray machine
Clinical Purpose	Radiographs used for many reasons: to find hidden dental structures, malignant or benign masses, bone loss, and cavities.

TECHNICAL SPECIFICATIONS

Compatible with Digital Sensors and Traditional Films
Scissor arm and mobile stand original with the machine
Short exposure times especially suitable for digital imaging
Microprocessor controlled
Tube Current 3.5 mA or better
Tube voltage 60-70 kV or better
Focal point 0.4 mm or better with filtration system
Exposure time automatic adjustable
Patient types: Child and Adult
Automatic Selection of dose by Tooth selection
Timer with integrated circuit
Tube head with 360° rotations with beam limiter
Power on light signal, x-ray emission light signal

Digital Imaging System (Intra Oral Sensor):

Sensor size 2 for Sharp clear and low noise radiograph.(Sensor size to be decided by procuring agency)
Round edges with full image
Sensor Technology: CMOS / CSI /CCD
Measured Resolution: 20lp/mm or above
Sensor Cable Length: 1.8-3.8 meter
Interface: High Speed USB latest version
Sensor status confirmation through PC
Active Sensor Area: 30x20mm or better
Complete with all standard accessories

Term and Condition:

- Warranty: The warranty period shall be of 2 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/UK/Europe/Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 19	
Clinical Specialty	**UROLOGY**
Generic Name	**HOLMIUM: YAG MEDICAL LASER**
Clinical Purpose	Holmium is well absorbed in water, highly effective in the fragmentation of calculi and ablation of hard tissue, it also provides an excellent hemostasis in soft tissue surgery.

TECHNICAL SPECIFICATIONS

Average Power: 50 watt to 90watt or more (depends upon quoted power)
Tower type
Laser source Ho: YAG Wave lengths 2.1micron
Energy per pulse up to 4.5 joules or better.
Frequency/Repetition rate 5-30 hertz or better
Aiming beam Green (adjustable) ,500-550nm, 3R, Continuous or blinking mode.
Display 7 inch or better
User Interface: Touch screen.
Fiber Detection: Without RFID (open System)
Electrical requirements. 110-230 VAC, single phase/ 3 Phase; 50/60 Hz
Cooling System: Integrated cooling (Self-contained water to air heat exchanger)
Activation: Foots witch

ACCESSORIES:

- Laser fiber striper and cutter Qty-10 each
- Laser Safety Glasses Qty-3
- Online ups with the backup of up to 10 min on full load
- Foots witch
- Over 15 times reusable laser fiber, length 3 m, optical core 200-272 µm, 365 - 400µm, 550-800 µm.

QTY – 5 of each type.

- Protective Case/Cover for Laser Machine

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/UK/Europe/Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 20	
Clinical Specialty	Operation Theater and General Surgery
Generic Name	**HEAVY DUTY SUCTION MACHINE**
Clinical Purpose	Heavy duty suction machine is used to keep the airways clean and in operation theater for suction of various secretions/fluids from various cavities of body.

TECHNICAL SPECIFICATIONS

Piston or Diaphragm type with oil free pump mechanism.
Heavy duty Mobile Suction Unit with twin jars (Polysulfide or Polycarbonate type) of capacity up to 4 or 5 liter
each, Autoclavable.
Aspiration rates up to 40-60 liters/minutes or more at 640-900mm.Hg
Vacuum continuously adjustable
Triple or Over flow safety device.
Change over valve
Suction tubing of silicone with coupling connection for each jar
Noise Level 50 dB or less.
220V/50Hz.

Accessories:

1. 50 x Hydrophobic/bacterial filter
2. trolley with lockable wheels

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 21	
Clinical Specialty	Anesthesia & Ventilator
Generic Name	**BIPAP/CPAP MACHINE**
Clinical Purpose	Bi-level positive airway pressure is a form of non-invasive pressure support ventilation that uses a time-cycled or flow-cycled change between two different applied levels of positive airway pressure. It generates inspiratory (IPAP) and expiratory (EPAP) pressure gradients that complement the patient's own respiratory cycle, optimizing the lungs' efficiency and reducing the work of breathing. BiPAP has been shown to b e a n e f f e c t i v e m a n a g e m e n t t o o l for chronic obstructive pulmonary disease and acute and chronic respiratory failure Bi-level positive airway pressure is used when positive airway pressure is needed with the addition of pressure support.

TECHNICAL SPECIFICATIONS

Automatic BIPAP unit for pre and post-operative treatment to assist breathing mechanism and gas exchange for pediatric and adult patients and also sleep apnea.

· Mode of ventilation will be CPAP, SPON/ST, T, PC, Auto S and Bi-level Ventilation or equivalent.

- Digital display for Pressure, time, ventilation mode, leakage, tidal and minute volume.
- Adjustable pressure ranges up to 30 cm H2O.
- CPAP: 4 to 20 cmH2O or more.
- RR: 1 to 30 bpm or more
- Pressure bar Graph for patient breaths and pressure.
- Display of patient parameters.
- Alarms on adjustable values.
- Internal or integrated battery backup of One hour (from same manufacturer).
- Temperature control ventilation system.
- Power of 220 V, 50 Hz

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 22	
Clinical Specialty	**PHYSIOTHERAPY**
Generic Name	**Electrotherapy /COMBINATION THERAPY**
Clinical Purpose	Electrical stimulation helps in decrease pain or improves circulation. It is also occasionally used to help with wound healing

TECHNICAL SPECIFICATIONS

Display:colour touch screen 4 to 7 inch
Number of Channels:
2 for Electrotherapy
1 for Ultrasound
User defined protocols memories:
Minimum acceptable range 100 or more
Pre-programmed clinical protocols:
20 or more
ELECTROTHERAPY:
Channel: 2
Timer: 1-30 min
Current Type/Waveform:13 or more
ULTRASOUND THERAPY:
Channel: 1
Ultrasound Intensity:
Continuous 2 W/cm²
Pulsed 3W/ cm²,
Combined Therapy
Yes
Timer: 1-30 min or better
Duty Cycle: 20 – 80% or better
Power Supply:220-240V AC, 50-60 Hz

Accessories:

Ultrasound Probe
Electrode cables (2)
Rubber Electrode (4)
Electrode Sponge (4)

Optional:

Vacuum unit / module with accessories
Disposable / Adhesive electrode

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 23	
Clinical Specialty	Physiotherapy
Generic Name	**TRACTION UNIT WITH TRACTION BED**
Clinical Purpose	Traction machine is use used to relieve pain and restore muscle function by mobilizing muscles, ligaments and joints. Traction machines are clinically proven to be effective in pain treatment particularly for cervical and lumbar pain.

TECHNICAL SPECIFICATIONS

LCD screen 4 to 7 inches
Traction modes: intermittent, static, or more
High/Low force range: 1–90 kg (198 lbs)
Timer: 1–60 minutes
preprogram memory
Power supply: AC 100–240 V 50/60Hz

Accessories

1 x Patient safety switch
1 x Electrical Table
1 x Cervical belt
1 x Pelvic belt/Lumber
1x Thoracic belt
1xStool
1 x Power Cord
1 x User Manual

Optional :

Fixed Height Traction table

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 24	
Clinical Specialty	Physiotherapy
Generic Name	**INFRARED THERAPY LAMP**
Clinical Purpose	**Heat**

TECHNICAL SPECIFICATIONS

IR light emission 150W or more of high output on mobile stand.
Intensity Control: Adjustable intensity /power
Adjustable height.
30 min timer
On/off switch
Voltage: 230V ~ 50/60Hz.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan or imported.
- Mode: DDP (the bidder is required to quote prices on mode i.e. DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 25	
Clinical Specialty	Physiotherapy
Generic Name	Shortwave therapy
Clinical Purpose	Shortwave therapy is the application of high frequency electromagnetic energy to the body to reduce pain and swelling.

TECHNICAL SPECIFICATIONS

LCD display
Frequency: 27.12 MHz
Pulse duration up to 400µs
Pulse frequency 20 to 200 Hz
Modes continuous & pulsed
Output power in pulsed mode: 1000 W
Output power in continuous mode: 400 W

Accessories

Check light
Pair of Capacitive electrodes 100 to 150 mm
Electrode arm
Rubber electrodes

Optional

Flexible electrode
Adjustable electrode

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 26	
Clinical Specialty	Physiotherapy
Generic Name	**ELECTRO STIMULATOR PAIN MANAGEMENT**
Clinical Purpose	A transcutaneous electrical nerve stimulator (TENS) sends electrical pulses through the skin to start your body own pain killers. The electrical pulses can release endorphins and other substances to stop pain signals in the brain. TENS can reduce pain

TECHNICAL SPECIFICATIONS

Stimulation channels: 2
Stimulation Type: constant, burst, modulation or more
Stimulation pulse duration: up to 200 or more
Stimulation frequency: 2Hz – 200Hzs

Accessories

Adhesive and conductive electrode: Minimum 4 electrodes
Rubber electrodes: Minimum 4 electrodes
Moist pads/gel pads for rubber electrodes: Minimum 4 electrodes

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 27	
Clinical Specialty	**physiotherapy**
Generic Name	**Shoulder Pulley**
Clinical Purpose	physio

TECHNICAL SPECIFICATIONS

Steel coated structure
Adjustable weight load: 0.5 kg or above
Frame height: 185 cm or more
Depth: 28 cm or more

Accessories:

Snap hook
Ankle strap with hook
Wrist support
Handle/Pulley height adjustable

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan or imported.
- Mode: Bidder is required to quote prices on mode i.e. DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 28	
Clinical Specialty	Operation Theater and General Surgery/Cardiology /Medicine
Generic Name	**ECG Machine (6 - Channel)**
Clinical Purpose	Electrocardiography (ECG) is the process of recording the electrical activity of the heart over a period using electrodes placed on a patient's body.

TECHNICAL SPECIFICATIONS

1. Six Channels ECG on at least 3 – 5 inches LCD display or better
2. Display of six channel ECG simultaneously
3. Manual and Automatic Operation
4. Variable Gain: 1/2, 1, 2 cm / mV
5. Interpretation Software both Adult and Paeds
6. Recording Trace speed: 10 / 12.5, 25 and 50 mm / sec
7. Muscle artifact and AC (50 Hz) interference filters
8. Defibrillator Protection
9. Built-in battery operation with 60 mins standby backup or better / Can acquire and prints 15 ECGs without recharging
10. Paper Size: 100 – 110 mm or larger
11. Noise Filter and Baseline Correction
12. Capability to interface with LAN / WLAN for data transfer
13. Thermal Recorder for printing out of Six Channels simultaneously
14. Paper Rolls / Z Folds / Recording Papers: Quantity = 20 (Each Roll Length minimum 20 meters)
15. Operating Requirement: AC 220 V & 50 Hz
16. Securing / fixation to the mobile Cart by strap or other means must be provided/Dedicated ECG Mobile Cart (Local)
17- Two ECG Lead extra
18- five set of ECG electrodes

Optional (If any):

- Provision of battery charging slot in case of mobile / ambulance usage
- ECGs Storage Facility
- ECG Simulator (Any Brand but not china)
- System must be compatible with Picture Archiving & Communication System (PACS) / Hospital Information System (HIS)

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. #29	
Clinical Specialty	Cardiology.
Generic Name	**Cardiac Monitor (Adult, Pediatric & Neonatal).**
Clinical Purpose	The phrase cardiac monitoring generally refers to continuous monitoring of the heart activity, generally by electrocardiography, with assessment of the patient's condition relative to their cardiac rhythm.

TECHNICAL SPECIFICATIONS

- For Adults & Peads.
- For monitoring patients vital signs.
- Operating Features and Characteristics:
- Non fade TFT,LCD color display.
- Electro-surgical interference suppression/protection.
- Defibrillator protection.
- Freeze and cascade facility.
- Waveform trache spee: 25 & 50 mm/sec.
- Screen size: min. 15" TFT, LCD color display.
- Parameters:
- **ECG :**
- Numeric: heart rate.
- Waveform : real time and freeze ECG trace.
- Minimum 6 waveforms.
- **NON-INVASIVE BLOOD PRESSURE (NIBP):**
- Method: oscillometric principle.
- Numeric: systolic, diastolic and mean pressure.
- Selectable auto inflate interval settings.
- Rising cuff/continuous pressure display.
- Reusable cuff for adult & paeds.
- **TEMPERATURE:**
- Numeric: temperature selectable in ºC/ºF.
- **PULSE OXIMETRY:**
- Numeric: 0-100% oxygen saturation measuring range.
- Waveform-plethysmograph pulse.
- Reusable sensor electrode.
- **ARRHYTHMIA ANALYSIS:**
- Arrhythmia analysis and ST analysis.
- **RESPIRATION:**
- Breath rate display and settable apnea alarms.
- Sweep speed; 6.25, 12.5 mm/sec.
- Numeric: temperature selectable in ºC/ºF.
- Ac 220v/50HZ.
- Built-in rechargeable battery for at least 1.5-2 hour.

Accessories:

- Complete with standard accessories.
- The system must be complete with all sensors, probes, cables or any other accessories required for measuring all the above selected parameters (Adult and Peads size).
- 1 extra set of all parameter leads, probe, Cable(Peads as well adult).
- Mounting stand imported with lockable draws

Optional (If any):

- Qty of Reusable sensors.
- Capnography.
- IBP two channels.
- Vital Signs Simulators - any brand but not china (NIBP, ECG, SpO2, respiration, and temperature, streamlining the preventive maintenance process.)

- Printer 2 channels.

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk / Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW single certificate.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Serial No. # 30	
Clinical Specialty	Cardiology.
Generic Name	**Defibrillator.**
Clinical Purpose	Defibrillation is a common treatment for life-threatening cardiac arrhythmia and ventricular fibrillation.

TECHNICAL SPECIFICATIONS

1. Biphasic Transthoracic (External) Defibrillator
2. LCD color display with Screen Size of approx. 5 inches or better
3. Synchronized output with ECG
4. For External Defibrillation Energy Selection & Delivery on Control Panel and / Or External Paddles
5. For Internal Defibrillation Energy Selection on Control Panel and / Or Internal Paddles and Delivery must be on Internal Paddles
6. Charging Indicator
7. The energy range should be adjustable for Neonates, Paeds and Adults up to 200 Joules or better
8. Charging Time for full energy should be less than 6 – 7 seconds
9. Display of HR, ECG through paddles and Lead I, II & III patient cable
10. Built-in recorder for printing of full summery on standard 50 mm paper
11. Alarms for High and low Heart rate, low battery warning
12. Auto Tester / Self-Check
13. External Paddles (Adult and Paeds)
14.AED Facility with Cable
15. Pacing Facility

Other Parameters:

16. Operating Requirement: AC 220 V & 50 Hz
17. Built-in Rechargeable battery with charger for minimum 100 shocks at maximum energy

Accessories:

- Complete with all Standard Accessories
- Local Trolley Manufacturer's Standards with antistatic castors / wheels and all precautionary measures applicable
- Operational & Service Manual

Safety Standard:

- Must conform to the requirements of ISO 13485:2016 version or above

Optional (If any):

- Quantity and Type of Reusable Sensors (Adult, Paediatric & Neonatal) (To be specified by the Procuring Agency and End-user) each: each two
- Reusable Paddle (Adult, Paed and Neonate) (Quantity and Type to be specified by the Procuring Agency and End-user)
- $EtCO_2$
- SpO_2
- NIBP
- Pacing / Defibrillation Pads (Reusable / Disposables) (Quantity and Type to be specified by the Procuring Agency and End-user)

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Country of Manufacturer: USA/Uk / Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

Package/Lot -05	
Clinical Specialty	Operation Theater and General Surgery
Generic Name	**ELECTRO-HYDRAULIC/ELECTRO-MECHANICAL OPERATION TABLE**
Clinical Purpose	Operating Tables used to conduct the different kind of surgical interventions of patients, the dedicated tables provide all the positions required by the surgeon.

TECHNICAL SPECIFICATIONS

- Weight bearing capacity of 250kg or more
- 5 Sectional operation Table with two leg section.
- Table top equipped with radiolucent material.
- The mattress covers with washable, antistatic material.
- X-ray Cassette holder for X-Ray and C-Arm facility
- Sliding table top at least 250mm or more
- Electric Height adjustment: 730 to 1000 mm or more.
- Electric Trendelenburg and Reverse Trendelenburg: 25° degree and -25° or better.
- Electric lateral tilt: 30° degree and -30° degree or better.
- Manual or electric backrest adjustment:70° degree and -15° degree or better. (Both are acceptable)
- Manual leg section adjustment: 20° degree and -90° or better.
- 220-230 V, 50 Hz.
- Hand control unit.
- Override panel in the column or Wireless remote for back up control in emergency cases.
- Battery backup control of table in case of main power failure.

Standard Accessories:

1. Pair of Arm rest with clamp
2. Anesthesia screen
3. Large width body strap
4. Adjustable bottle holder rod
5. Shoulder support
6. Pair of Knee Crutches.
7. Lateral Support.

Optional (ACCESSORIES):

Kidney Elevator.

ORTHOPAEDIC ACCESSORIES:

- Stainless steel or carbon coated (I/O to Specify)
- Leg traction device with boots, straps etc.
- Accessory trolley.
- Orthopedic Attachment with boots for adult and Paeds for both legs.

NEUROSURGERY ACCESSORIES:

- Wilson frame complete with patient care kit
- Can be used on any general surgical table
- Allows 360-degree unrestricted radiolucency
- Allows unrestricted C-arm access
- Head Frame with following accessories
- Basal frame complete with skull clamp system with adult & pediatric skull pins or equivalent.

- Head frame for neurosurgery with following accessories.
- Quarter frame
- Slide Adjuster for retractor
- Head holder with standard head pins
- Table attachment
- Spatula 6 mm & 4 mm or equivalent

OPHTHALMOLOGY/ENT ACCESSORIES

Eye/ ENT head rest.

UROLOGY ACCESSORIES

 Liquid Basin

Package/Lot -05	
Clinical Specialty	Gynecology & General Surgery
Generic Name	**MULTIPURPOSE HYDRAULIC OPERATION TABLE**
Clinical Purpose	Operating Tables used to conduct the different kind of surgical interventions of patients, the dedicated tables provide all the positions required by the surgeon.

TECHNICAL SPECIFICATION

Table Top (Radiolucent) with antistatic mattress 4-5 sections and equipped with X-ray cassette holder.
Patient weight bearing capacity: 180 Kg or more.

TABLE TOP IS ARRANGED AS:

Head plate
Back plate
Seat plate
Two separate leg plates.
Base of the table stainless steel or ABS Cover.

MOVEMENT:

Height Adjustment 720-1000mm or better ±- 15mm
Provision of Kidney Position.
Trendelenburg and Reverse Trendelenburg 25 and 18 degrees respectively.
Lateral tilt 20 degree
Back plate: 65 degree and -30 degree
Manual Leg plate movement: up to 15 degree and down to 90 degrees.

Accessories:

1. Pair of Arm rest with clamp and strap.
2. Anesthesia screen
3. Large width body strap
4. Adjustable bottle holder rod.
5. Pair of Knee Crutches or Equivalent.

Optional (ACCESSORIES): End-user to specify.

ORTHOPAEDIC ACCESSORIES:

Stainless steel or carbon coated (I/O to Specify)
Leg traction device with boots, straps etc.
Accessory trolley.
Orthopedic Attachment with boots for adult and Paeds for both legs.

NEUROSURGERY ACCESSORIES:

Wilson frame complete with patient care kit
o Can be used on any general surgical table
o Allows 360-degree unrestricted radiolucency
o Allows unrestricted C-arm access
Head Frame with following accessories

o Basal frame complete with skull clamp system with adult & pediatric skull pins or equivalent.
Head frame for neurosurgery with following accessories.
O Quarter frame
o Slide Adjuster for retractor
o Head holder with standard head pins
o Table attachment
o Spatula 6 mm & 4 mm or equivalent

OPHTHALMOLOGY/ENT ACCESSORIES

Eye/ ENT head rest.

UROLOGY ACCESSORIES

Liquid Basin
Accessories trolley

Term and Condition:

- Warranty: The warranty period shall be of 3 years (with 95% uptime) unconditional for all essential equipment to keep system functional which include all parts/Consumables equipment's.
- Note: Bidder shall quote for all the items within the Package/lot. Selected items / Partial quotes of the Package/lot will not be acceptable and lead to the disqualification from the Package/lot. However, the bidder needs to provide rate of each item individually in the Package/lot, but the Package/lot will be awarded to the responsive bidder, offering the lowest total price for all the items in a complete Package/lot.
- Bidder needs to submit a single bid security for the complete Package/lot
- Country of Manufacturer: USA/UK/ Europe/ Japan.
- Certification Required: FDA, CE-MDD/MDR, & MHLW any one these required.
- Mode: CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP.
- Documents: Service manual, User manual and Part list in hard and soft format must be supplied with system.
- Service/Operational Training: The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.