

# **INVITATION FOR BIDS**

**Govt. Khawaja Muhammad Safdar Medical College  
& Allied Institutions, Sialkot**

*Contact Purchase Cell: 052-9250735*

**BIDDING DOCUMENTS FOR TENDER PURCHASE**

**(FINANCIAL YEAR 2021 – 22)**

*Tender Name:*

**Purchase of Medical & Lab  
Equipment**



**DEAN**

**GOVT. KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE, SIALKOT**

**Phone No: 052-9250738-39.**

**THIS DOCUMENT CONTAINS FOLLOWING SECTIONS:**

<b>Section-1</b>	<b>Advertisement, Bidding Schedule, Particulars of Bidder/Bidding Firm</b>
<b>Section-II</b>	<b>Instructions For Bidders</b>
<b>Section-III</b>	<b>Schedule of Requirements and Technical Specifications</b>
<b>Section-IV</b>	<b>Evaluation Criteria &amp; Specimens of Bid Forms</b>

## **SECTION-I**

**1.1 Copy of Advertisement**

**1.2 Bidding Schedule**

**1.3 Particulars of Bidding Firm**

# 1.1: Copy of Advertisement

## INVITATION FOR BIDS

(ANNUAL TENDER 2021-2022)

### GOVT. KHAWAJA MUHAMMAD SAFDAR MEDICAL COLLEGE/ ALLIED INSTITUTIONS, SIALKOT.

1. Management of Khawaja Muhammad Safdar Medical College & Allied Institutions, Sialkot invites sealed bids/ tenders from the eligible bidders i.e. manufacturers / their authorized distributors and in case of imported goods, their authorized sole agents / importers / distributors in Pakistan who are registered with income tax and sales tax authority/licensed with Drug Regulatory Authority of Pakistan for the procurement of items/goods that come under the “heads” mentioned in the following table, **on free delivery to consignee’s end basis.**
2. Interested eligible bidders may get the **bidding documents (technical specifications) from Purchase Cell, Govt. Khawaja Muhammad Safdar Medical College, Sialkot** on submission of written application along with payment of non-refundable fee of Rs.1000/- for each tender. **Bidding Documents can also be downloaded from the website of this institution [www.kmsmc.edu.pk](http://www.kmsmc.edu.pk) or PPRA website [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk)**
3. **Single Stage–two envelope** bidding procedure shall be applied. The envelopes shall be marked as “Technical Proposal” and “Financial Proposal” in bold and legible letters. Financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders.
4. Sealed bids are required to be brought in person by the authorized representative of the interested bidders according to below mentioned schedule **at 10: 30 a.m. positively.** The bids received till this stipulated date & time shall be opened at **11:30 a.m.** in the presence of the bidders or their authorized representatives in the **Azadi Hall** of KMS Medical College, Sialkot.

Sr. No	Name of Stores	Bid Security/ Call Deposit	Last Date/Time for Tender Submission	Date & Time of Opening
1.	a. SURGICAL DISPOSABLES/DIALYSIS DISPOSABLE ITEMS b. SURGICAL SUTURES c. SURGICAL DRESSING, COTTON, GAUZE & BANDAGES d. DENTAL MATERIAL e. LAPAROSCOPIC DISPOSABLES f. EYE LENS/ DISPOSABLES FOR KMSMC & ALLIED INSTITUTIONS, SIALKOT.	2% of the estimated price of quoted items	27-09-2021 at 10:30 a.m.	27-09-2021 at 11:30 a.m.
2.	MEDICINE BULK PURCHASE	2% of the estimated price of quoted items	27-09-2021 at 10:30 a.m.	27-09-2021 at 11:30 a.m.
3.	MEDICINE LP- DAY TO DAY	2% of the estimated price of quoted items	27-09-2021 at 10:30 a.m.	27-09-2021 at 11:30 a.m.
4.	X-Ray Films/ Chemicals/ Sale of Fixer Water etc	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
5.	STATIONERY	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
6.	PRINTING & PUBLICATIONS	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
7.	UNIFORM & PROTECTIVE CLOTHING	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
8.	COST OF OTHER STORE	2% of the estimated price	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.

		of quoted items		
9.	OTHERS	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
10.	BEDDING & CLOTHING	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
11.	MEDICAL WASTE MANAGEMENT	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
12.	PURCHASE OF HARDWARE / SOFTWARE / I-T EQUIPMENT	2% of the estimated price of quoted items	28-09-2021 at 10:30 a.m.	28-09-2021 at 11:30 a.m.
13.	PURCHASE OF MEDICAL & LAB EQUIPMENT	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
14.	PURCHASE OF PLANT & MACHINERY	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
15.	PURCHASE OF FURNITURE & FIXTURE	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
16.	REPAIR OF MACHINERY & EQUIPMENT	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
17.	REPAIR OF PLANT & MACHINERY	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
18.	REPAIR OF FURNITURE & FIXTURE	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
19.	REPAIR OF HARDWARE / SOFTWARE / I-T EQUIPMENT	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
20.	REPAIR OF MEDICAL & LAB EQUIPMENT	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
21.	REPAIR & MAINTENANCE OF OFFICE BUILDING	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
22.	MEDICAL GASSES	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.
23.	LAB KITS & CHEMICALS	2% of the estimated price of quoted items	29-09-2021 at 10:30 a.m.	29-09-2021 at 11:30 a.m.

5. The bidders are requested to give their best and final prices since there will be **no negotiations** on the prices. However, in exceptional circumstances on receipt of exorbitant rates, the negotiation in such cases may be considered by the Procuring Agency. The Procuring Agency however, reserves the rights to accept or reject all bids without assigning any reason.
6. List of items to be purchased with estimated quantities and estimated prices are given in the bidding documents. Local suppliers/contractors can only participate for the China-made or local items.
7. In case the date of opening or last date of sale 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 date of sale and submission and opening of tenders accordingly, the time and venue shall remain the same.

**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.

## **1.2 Bidding Schedule**

<b>Description</b>	<b>Detail</b>
Commencement date for Sale of Bidding Documents	After the advertisement onward till last date (on all working days during office timing).
Last date and time for the receipt of bids	<b>29-09-2021</b> up to 10:30 a.m.
Date, time and venue of opening of technical bids	29-09-2021 at 11:30 a.m. In Azadi Hall (Freedom Hall) of KMSMC, Sialkot.
Bid Currency	1. PKR on free delivery to the consignee's end basis including all ex-work, transportation, storage charges till the destination. 2. In case of foreign currency as L.C and on C&F basis.
Language of bid	Urdu / English
Amount of bid security (earnest money)	2% of the estimated prices of the quoted items in the shape of call deposit (CDR) in favor of Dean KMSMC, Sialkot.
Performance Guarantee	5% of the contract value in the shape of call deposit
Bid validity period	180 Days
Bidding procedure	Single Stage – Two Envelop Procedure
Tender Fee	Rs. 1000/-(non-refundable)
<b>Address for communication:-</b>  <b>PURCHASE CELL,</b> <b>Khawaja Muhammad Safdar Medical College, Sialkot,</b> <b>Ph # 052-9250735 (only in working hours.)</b>	

### **1.3: PARTICULARS OF THE BIDDING FIRM**

Bidders/Firms are directed to place the properly filled following form as the first page (title page) of their completed bidding documents. Failing this may render your document unacceptable.

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#### **BIDDING DOCUMENTS FOR TENDER PURCHASE KMSMC (2021 – 22)**

**Tender No:** .....

**Tender Name:** .....

**Name of Firm:** .....

**Complete Address:** .....

.....

**Office Telephone/Fax No:** .....

**Name of Authorized Representative:**  
.....

Cell no. ....

CNIC no.: .....

*(Attach copy)*

*(Firm is bound to duly inform procuring agency and end-user if any of the above bio-data is changed.)*

**Sales Tax Reg. No:** .....

**Income Tax No. (N.T.N):** .....

**Amount of Tender Fee  
Deposited (with receipt no):** .....

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## **SECTION-II**

### **Instructions for the Bidders**



## **Instructions for the Bidders**

Dean Khawaja Muhammad Safdar Medical College Sialkot invites sealed bids from eligible bidders for the purchase of Medical and Laboratory Equipment as described in the Schedule of Requirement ON REAGENT RENTAL BASIS.

### **1. General Instructions:**

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

#### **Source of Funds**

The Government of Punjab has allocated funds to the institutions / hospitals for purchase of Equipment and other items under the relevant head of Account during the financial year 2021-22 (herein referred to as the "Procuring Agency").

#### **Eligible Bidders**

This invitation for bids is open to all Manufacturers / their authorized sole agents / suppliers / Sole Distributors / Authorized Distributors / wholesaler and in case of imported goods their authorized / Sole Agents of Foreign Deans / importers and suppliers can participate.

The bidder must possess valid authorization from the Foreign Principal / Manufacturer and in case of Manufacturer; they should have a documentary proof to the effect that they are the original Manufacturer of the required goods.

The 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 for items which are pre-qualified by Government of Punjab, Health Department, only pre-qualified firms for their respective items would be considered.

#### **Cost of Bidding**

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

In case of any doubt as to the meaning of any portion of the specification of other terms and conditions, bidder may be seen clarification of the same in writing but not later than one week prior to dead line for submission of bid prescribed by the Dean.

**Bidders are required to submit their bid that will bear words "CONFIDENTIAL" and Tender No for the purchase of Medical Lab Equipment.**

#### **Bid Security**

The bidder shall furnish separately against each quoted item/ tender enquiry, as part of its financial bid, a Bid Security of 2% of the estimated cost of the quoted items (denominated in Pak Rupees) in the shape of call deposit in the name of the Dean KMSMC Sialkot. Failure to furnish the prescribed Bid Security shall result in the rejection of bid. No bank guarantee/ Banker's cheque/ supplier cheque will be entertained as a 2% bid security.

#### **Amendment of Bidding Documents**

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

#### **Qualification and Disqualification of Bidders**

The firms which are pre-qualified with Health Department should submit the pre-qualification certificate accordingly; however the Procuring Agency shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the Contract

satisfactorily, in accordance with the criteria listed in ITB evaluation criteria.

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

The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.

The Procuring Agency shall disqualify a Bidder if it finds, at any time, that the information submitted by him concerning his qualification as Supplier was false and materially inaccurate or incomplete.

Bidders that are found to consistently fail to provide satisfactory performances or are found to be indulging in corrupt or fraudulent practices shall be blacklisted.

### **Corrupt or Fraudulent Practices**

The Procuring Agency requires that all Bidders/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of such Contracts. The bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices, declared by any Government (Federal/Provincial/District), a local body or a Public Sector Organization. Any affirmative determination will be pre-requisite for award of the purchase order of the bidder. A negative determination will be result in rejection of the bidders bid. The bidder should provide an affidavit on legal stamp paper of (Rs. 100/-) for this purpose. The bidder should be debarred from bid on account of submission of false statement.

### **Bidding for Selective Items**

A bidder, if he so chooses, can bid for selective items from the list of goods provided in the Section IV i.e. schedule of requirements & technical specifications. A bidder is also at a liberty to bid for all the goods mentioned in the Section III i.e. schedule of requirements & technical specifications.

**However, bidders cannot bid for partial quantities of an item mentioned in Section III, i.e. schedule of requirement & technical specifications. THE BID MUST BE FOR THE WHOLE QUANTITY OF AN ITEM REQUIRED IN THE SECTION III I.E., SCHEDULE OF REQUIREMENTS & TECHNICAL SPECIFICATIONS.**

**BIDDERS ARE DIRECTED TO PREPARE & SUBMIT ONE BID (FIRM WISE) ENLISTING ALL THE ITEMS / PRODUCTS INTENDED TO THE QUOTED AND ATTACHING ALL RELEVANT REQUIRED DOCUMENTS PERTAINING TO EACH QUOTED ITEM /PRODUCT.**

## **2. The Bidding Procedure**

### **The Governing Rules**

The Bidding procedure shall be governed by the Punjab Procurement Rules, 2014 (Amended) of the Government of Punjab.

### **Applicable Bidding Procedure**

The bidding procedure is governed by Rule 38 "Procedures of Opened Competitive Bidding" sub-rule 2(a) "Single stage –Two Envelop procedure". Bidders are advised also to refer to the Bid Data Sheet above to confirm the Bidding procedure applicable in the present bidding process.

- i. The bidding procedure prescribed in the Bid Data Sheet above is explained in the table below.
- ii. The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- iii. The envelopes shall be marked as "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**" in bold and legible letters to avoid confusion.
- iv. Initially, only the envelope marked "**TECHNICAL PROPOSAL**" shall be opened.
- v. The envelope marked as "**FINANCIAL PROPOSAL**" shall be retained in the custody of Procuring Agency without being opened.
- vi. The Procuring Agency shall evaluate the technical proposal, without reference to the price and reject

- any proposal which do not conform to the specified requirements;
- vii. During the technical evaluation no amendments in the technical proposal shall be permitted;
  - viii. The financial proposals of bids shall be opened publicly at a time, date and venue to be announced and communicated to the Bidders in advance.
  - ix. After the evaluation and approval of the technical proposal the Procuring Agency shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective Bidders; and
  - x. The bid found to be the lowest evaluated bid shall be accepted.

### **3. Preparation of Bids**

#### **Language of Bid**

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 English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, the translation shall govern.

#### **Documents comprising the bids**

The bid shall comprise of the Bid Forms of this bidding document and all those ancillary documentation that are prescribed for the eligibility of the bidders and goods and ancillary services that are found necessary and highlighted in the Bid Forms.

The bidder shall complete the Bid Forms and an appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their general and specific characteristics, ancillary services that the bidder is willing or required to provide along with the proposed price.

### **4. Bid Prices**

The bidder shall indicate on the appropriate form prescribed in this bidding documents the unit prices and total bid price of the goods, it proposes to supply under the Contract form for Price Schedule is to be filled in very carefully, and should be typed / computerized. Hand written price list should not be considered. Any alteration/ correction must be initialed. Every page is to be signed and stamped at the bottom. Serial number/ bid number of the quoted item may be marked or highlighted with red/yellow marker.

The Bidder should quote the prices of goods according to the technical specifications. The specifications of goods, different from the demand of enquiry, shall straightway be rejected.

The Bidder is required to offer competitive price. All prices must include relevant taxes and duties, where applicable. If there is no mention of taxes, the offered/ quoted price shall be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency. Prices offered should be for the entire quantity demanded; partial quantity offers shall straightaway be rejected. Conditional offer shall also be considered as non-responsive Bidder. While tendering your quotation, the present trend/ inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods and services shall be entertained after the bid has been submitted.

In case of monopoly items, monopoly certificate must be provided by the firm regarding sole manufacturer / distributor of foreign principal in Pakistan.

In case of purchase on L.C. basis bidder has to provide bill of lading at the time of submission of rates of quoted items and has to assure that he has enough stocks for supply on loan basis till the opening of L.C. so, that smooth running of hospital may not suffer.

**Bidder must quote prices in local and in international currency.**

## 5. Contract

The Client shall, after receipt of the Performance Security from the successful Contractor, send the Contract provided in the Bidding Document, to the successful Contractor. Within three working days of the receipt of such Contract, the Contractor shall sign and date the Contract and return it to the Client.

### i. Contract Duration

The duration of Framework Contract will be up to June 30, 2021 after the award of contract, starting from the date of issuance of Letter of Acceptance and will be renewed on yearly basis after approval from B.O.G of this institution.

### ii. Contract Documents and Information

The Contractor shall not, without the Client's prior written consent, make use of the Contract, or any provision thereof, or any document(s), specifications, sample(s) or information furnished by or on behalf of the Client in connection therewith, except for purposes of performing the Contract or disclose the same to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

## 6. Documents Establishing Bidder's Eligibility

The Bidder shall furnish, as part of its technical bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.

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 an eligible as defined under tender form.

The documentary evidence to be submitted in the Technical Proposal for the purposes of qualification and technical evaluation shall include:

- i. The Supplier/ agent shall have to produce letter of authorization from Manufacturer and in case of Manufacturer, documentary proof to the effect that they are the original Manufacturer of the required goods shall be provided strictly as per specimen form attached.
- ii. National Tax Number (NTN) and General Sales Tax Number (if applicable) with documentary proof shall have to be provided by each Bidder in the tender.
- iii. ***The Bidder should have minimum one-year experience in the market / institutions. Similarly it is mandatory that the item to be quoted by the Bidder should have already been used in different public/ private Institution/ hospitals. Documentary proof shall have to be provided in this regard.***
- iv. The Bidder is required to provide with the technical proposal the name of item(s), tender number and serial number in the exact manner as quoted in the financial proposals.
- v. The Bidder must indicate the country of origin of the goods, capacity of production of the firm (in case of manufacturer), its financial status, necessary assurance of quality production, Certificate(s) for conformity with International standards of Quality (original or attested certification) and list of qualified (attested degrees or certification) technical persons along with qualification and trainings (including details of CNIC), payroll details of staff, list of main service, testing and calibration tools and supervisory staff working in the production and quality control departments in the manufacturing plants.
- vi. The Bidder (in case of manufacturer) shall provide a list of plant, major machinery and equipment installed in the factory. All necessary equipment must be calibrated and validation certificate to be included in the technical bid.
- vii. In case of non-local manufacturers the list of Countries in which the specific product is available and is in use. Information to be duly certified by the appropriate Punjab Chapter of the Chamber of Commerce.
- viii. The Bidder shall provide firm's balance sheet, latest tax paid, audit inspection report (if undertaken) and at least one year bank statement.

## **7. SUBMISSION OF BIDS**

### **Format and Signing of Bids**

The bid shall be typed and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid.

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

All bidding documents be duly attested (signed and stamped) by the authorized person of company.

### **Sealing and Marking of Bids**

The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion. The envelopes shall then be sealed in an outer envelope.

The inner and outer envelopes shall:-

be addressed to the Procuring Agency at the address given in the Invitation for Bids and bear the Institution/Hospital name and number indicated in the Invitation for Bids, and shall be inscribed by the following sentence: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the invitation for bid.

The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared as non-responsive or late.

If the outer as well as inner envelope is not sealed and marked properly, the Procuring Agency Shall assume no responsibility for the bid’s misplacement or premature opening.

## **8. Deadline for Submission of Bids**

Bids must be submitted by the Bidder and received by the Procuring Agency at the address specified under invitation for bids not later than the time and date specified in the Invitation for Bids / according to advertisement schedule.

### **Late Bid**

**Any bid received by the Procuring Agency after the deadline for submission of bids prescribed by the Procuring Agency shall be rejected and returned unopened to the Bidder. In case of Laboratory Items, submission of samples last date will be same as last date of receipt of bids.**

## **9. Opening and Evaluation Of Bids**

### **Opening of Bids by the Procuring Agency**

The Procuring Agency shall initially open only the envelopes marked “TECHNICAL PROPOSAL” in the presence of Bidders’ representatives who choose to attend, at the time, on the date, and at the place specified in the Invitation for Bids. The Bidders’ representatives who are present shall sign the Attendance Sheet as evidence of their attendance. However, the envelope marked as “FINANCIAL PROPOSAL” shall remain unopened and shall be retained in safe custody of the Procuring Agency till completion of the evaluation process.

The Bidders’ names, item(s) for which they quoted their rate and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced at the opening of technical proposal. No bid shall be rejected at technical proposal/ bid opening, except for late bids, which shall be returned unopened to the Bidder. However, at the opening financial proposals (the date, time and venue would be announced later on), the bid prices, discounts (if any), and the presence or absence of requisite bid Security and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced.

The Procuring Agency shall prepare minutes of both the technical proposal as well as the financial proposal bid opening.

## **10. Clarification of Bids**

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

## **11. Preliminary Examination**

The Procuring Agency shall examine the bids to determine whether they are complete, whether any computational errors have been made (at the time of opening the financial proposal), whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

In the financial bids (at the time of opening the financial proposal) the arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Bidders/Suppliers do not accept the correction of the errors, its bid shall be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail.

## **12. Evaluation and Comparison of Bids.**

The Procuring Agency shall evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB evaluation criteria.

The Procuring Agency's evaluation of technical proposal/ bid shall be on the basis of previous performances, test reports, inspection of plant/ factory/ premises, previous experience, financial soundness and such other details as already highlighted. However, the evaluation of financial proposal shall be on the basis of price inclusive of prevailing taxes and duties.

All bids shall be evaluated in accordance with the evaluation criteria and other terms and conditions set forth in these bidding documents.

**Submission of Samples:** The samples shall be submitted as per sample Performa and the last date of receipt of technical bid, samples (free of cost) of quoted products (s) according to the strength and packing of demand of enquiry. No technical proposal / bid shall be considered in absence of samples in sufficient quantity as per describe in schedule of requirement against each item.

The representative samples must be from the most recent stocks, supported by valid warranty as per Drugs Act 1976. Detail of samples provided with brand / manufacturer name and quantity must be attached in writing.

The bidder shall provide samples of quoted items along-with the bid at his own cost and in a quantity prescribed by the procuring agency in section IV.

The bidder should have minimum one year experience in the market. Similarly, it is mandatory that the item to be quoted by the bidder / manufacturer should have availability in the market minimum for the last one year. Documentary proof shall have to be provided in this regard.

## **13. Contacting the Procuring Agency**

No Bidder shall contact the Procuring Agency on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will result in the rejection of the Bidder's bid and subsequent black listing. Canvassing by any Bidder at any stage of the Tender evaluation is strictly prohibited.

## **14.Rejection of Bids.**

The Procuring Agency may reject any or all bids at any time prior to the acceptance of a bid. The Procuring Agency shall upon request communicate to any Bidder who submitted a bid, the grounds for its rejection of any or all bids, but is not required to justify those grounds.

## **15.Announcement of Evaluation Report.**

The Procuring Agency shall announce the results of the bid evaluation in form of a report, not inconsistent with Rule 35 of the PPRA-2014 giving justification for acceptance or rejection of bids at least ten days prior to the award of procurement contract.

## **16.Acceptance of Bid and Award criteria**

The Bidder with technically evaluated lowest financial bid, if not in conflict with any other law, rules, regulations or policy of the Government, shall be awarded the Contract.

## **17.Procuring Agency's right to vary quantities at time of Award.**

The Procuring Agency reserves the right at the time of Contract award to increase or decrease, the quantity of goods originally specified in the Price Schedule and Schedule of Requirements without any change in unit price or other terms and conditions keeping in view the availability of budget / urgency of item.

## **18.Limitations on Negotiations.**

Save as otherwise provided there shall be no negotiations with the bidder having submitted the lowest evaluated bid or with any other bidder: provided that the extent of the negotiation permissible shall be subject to the regulations issued by the PPRA.

Where response to a tender inquiry will be poor or a single offer will be received or rate received will otherwise consider to be on the higher side the following certificate shall be demanded from the bidder to ensure the reasonableness of the quoted price

“Certified that the prices quoted to this Department against the items mentioned at sr. no. are not more than the prices charges from any Purchase Organization in the country and in case discrepancy the bidder hereby undertakes to refund the price charged in excess”.

## **19.Notification of Award**

Prior to the expiration of the period of bid validity, the Procuring Agency shall notify the successful Bidder in writing by registered letter that its bid has been accepted. Institution may ask the successful bidder to furnish a performance guaranty which will be 5% of total bid value before issuance of supply order, after which bid security shall be released to the bidder.

### **Signing of Contract**

In this regard procuring agency may send the bidder the contract form incorporating all agreements between the parties. Within one week of receipt of contract form the successful bidder and the procuring agency shall sign the contract in accordance with the legal requirements in vogue.

## **20.Schedule of Delivery**

a. The supplies shall be delivered within 30 days w.e.f. the next day after the date of issue of Purchase Order. 15 days relaxation period may be granted to the firm on request justifying the genuine grounds. In case of late delivery of goods beyond the periods specified in the schedule of requirements, the penalty @ 2% per month, 0.067% per day of the cost of purchase order or a part thereof, if supply is made late upon the supplier.

**Following documents should be attached with the bill.**

- Invoice/Bill with warranty of concerned batches.
- Sale Tax invoice. (If applicable)
- Delivery Challan in triplicate copies
- Supplier Supply order copy.
- National Tax Number.
- Any other specific documents concerned.

**21. In case of Medical Lab Equipment bill of lading should be submitted with the bill. Force Majeure**

1. Notwithstanding the provision of GCC clause 20 & 21 the Supplier shall not be for forfeiture of its performance guaranty or termination / blacklisting 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. For the purposes of this clause force majeure means an act of god or an even beyond the control of the supplier and not involving the supplier's fault or negligence directly or indirectly purporting to mismanagement, mismanagement and / or lack of foresight to handle the situation, such events may include but are not restricted to acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes.
2. If a force majeure situation arises, the supplier shall promptly notify the procuring agency in writing with sufficient and valid evidence of such condition and the cause thereof. The committee of Khawaja Muhammad Safdar Medical College & Allied Institutions Sialkot constituted for redressing of grievances, shall examine the merits of the case and all reasonable alternative means for completion of purchase order under the contract and shall submit its recommendations to the competent authority.
3. However, purchaser inform the supplier in writing of its agreement on the application of force majeure, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the force majeure event.

**22. Inspections and Tests.**

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

**23. Physical Examination/ Inspection of Goods.**

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

**24. Delivery, Documents & Expiry.**

The Supplier in accordance with the terms specified in the Schedule of Requirements shall make delivery of the goods along-with the details of documents to be furnished by the Supplier. Fresh stock should be supplied with maximum shelf life. The payment will be made after satisfactory report from the end user.

**25. Incidental Services**

The bidder shall supply Items as far as possible as per tender requirement in special packing with Logo of the Government of the Punjab.



## **26. Exorbitant Rates**

The bidders will certify that the price quoted against the tender are not more than the price charged from any other purchase organization in the country and in case of any discrepancy the tender will be bound to refund the price charge in excess. The rates quoted by the bidder should be special discount rates for Govt. Institution which is less than trade price.

## **27. Risk Purchase**

If the first lowest contractor failed to supply the product in prescribed time of delivery, risk purchase will be made and the extra amount will be deducted from first lowest C.D.R./Bills lying in this institution.

## **28. Warranty**

The supplier shall warrant that all goods supplied under purchase order shall have no defect arising from materials of workmanship or from any act of omission of the supplier that may develop under normal use of the supplied goods under the condition prevailing at final destination. The Equipment warranty should be under the rules of Drug Act 1976 and must be for 5 years with parts.

The Dean Khawaja Muhammad Safdar Medical College Sialkot shall notify the supplier in writing of any claims arising under this warranty

## **29. Mode of Payment**

Payment mechanism will be as per rule 43 of PPRA, 2009, however, 100% payment may be made on production of Inspection certificate and receipt certificate from consignee after recovery of government dues including professional taxes, part supply and part payment may be allowed.

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## **SECTION-III**

**Schedule of Requirements &  
Technical Specification:**

## Technical Specifications of Medical/Lab Equipments and Machinery for the Year 2021-2022

Sr #	Details	Estimated Price	Qty	Total Price
1.	<p><b>OPHTHALMOSCOPE &amp; RETINOSCOPE SET</b>                      Standard illumination, aperture dial contains small aperture, standard aperture, and concentric scale and slit aperture.                      Corrective power range: +20 to -30D or better. Control for streak width and streak rotation, streak revolves 360°.                      Head rest to prevent operator's spectacles from getting scratched.                      Separate handles with rechargeable batteries for Retinoscope &amp; ophthalmoscope.                      Rechargeable handles with dual desk charger/wall mounted.                      ACCESSORIES: 3 spare bulbs for Ophthalmoscope.                      3 spare bulbs for Retinoscope.                      Carrying case  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW                      (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes                      i.e. CFR/CPT and DDP)</p>	100000	01	100000
2.	<p><b>Auto Refractometer With Keratometer</b>                      With auto measurement &amp; printout with standard accessories.                      Manual or motorized chin rest movement. Measuring range:                      Spherical: ±17D or better. Cylinder: ±6 D or better.                      Axis: 1 to 180°. Pupil distance: Max 85mm (increment 1mm).                      Display: digital on TV or LCD monitor with printer. Electric power: 220-240V AC, 50Hz.                      ACCESSORIES: With 6 paper roll, dust cover and cleaning kit.                      On locally made motorized table should be comfortable  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW                      (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes                      i.e. CFR/CPT and DDP)</p>	1500000	01	1500000
3.	<p><b>B-scan</b>                      Digital Memory and image freezing.                      LCD /TFT monitor alphanumeric or analog display of overall gain.                      Near field and dynamic setting.                      Depth of examination 40mm &amp; 60mm.                      In B mode scanning angle 40o or more.                      10 MHz or better B Probe.                      Gray scale 256 or better.                      ACCESSORIES: With compatible laser printer  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW                      (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes                      i.e. CFR/CPT and DDP)</p>	1,000,000	01	1,000,000
4.	<p><b>A-scan</b>                      Ultrasonic bio-meter for manual or automatic freezing system via foot pedal when valid measurement is detected.                      Measurement of axial length, ACD and lens thickness, features measurement of 5 or more reading with adjustable gates.                      Standard deviation of multiple scans, fully digitized display of real time echograms.                      Solid probe with fixation light.</p>	600,000	01	600,000

	<p>Audio feedback for probe alignment. With standard formulae.</p> <p><b>ACCESSORIES:</b> Compatible laser printer for all data. <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
5.	<p><b>OPHTHALMIC PHACOEMULSIFICATION UNIT</b> Main console with surgeon setting programming. Phaco modulation choice of pulse and burst mode. Vacuum 0-500 mmHg or better Provision for 2.2 &amp; 2.8 mm tips. Programmable foot pedal. Peristaltic pump. Irrigation/ Aspiration and phaco emulsification hand pieces I/A collection cassette or bag (Quantity 3) I/A test chamber (Quantity3) Irrigation sleeves (Quantity3) Phaco needle 30 deg bevel round (Quantity 3) and Bend tip (Quantity 3). Reusable anterior vitrectomy cutter (Quantity3) Phaco hand piece (Quantity 2) metal luer lock with sterilization box . <b>ACCESSORIES:</b> With Original trolley Dust cover <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	400000	01	400000
6.	<p><b>OPTICAL COHERENCE TOMOGRAPHY (OCT)</b> Scan modes : Confocal/LSO /SLO/ live OCT fundus / fundus image/swept source Scan speed : Min 27,000 A-Scan / sec or more Including Optic Nerve Head Analysis, Macula Anterior Segment : With Anterior Segment Module Computer: Originally Supplied by the manufacturer. <b>ACCESSORIES:</b> Color laser printer with one extra toner set With original motorized table/Imported from Europe/Japan/USA <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	7,000,000	01	7,000,000
7.	Super Field Lene 28 D	60000	01	60000
8.	Super Field Lene 20 D	60000	01	60000
9.	Gonioscopy Lens	60000	01	60000
10.	<p><b>DIODE LASER</b> Consisting of main console with power supply. Treatment wavelength : 805 / 810nm Power : 1W or better Aiming beam: adjustable Spot size : Variable Pulse duration: 0.01 sec. to 0.5 sec. Cooling: Air Foot switch. With standard accessories including Cyclophotocoagulation probe/ (G probe). <b>ACCESSORIES:</b> With original motorized table/Imported from</p>	1,000,000	01	1,000,000

	<p>Europe/Japan/USA. <b>OPTIONAL:</b>Endolaser probes gauge and quantity to be specified by enduser.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>			
11.	<p><b>OPHTHALMIC YAG LASER</b>  Q-Switch Nd- YAG Laser.  Solid state Laser Wave length: 1064nm. Laser power: 8-10 mJ  Pulsed Length: 2 to 4 nsec. Aiming Beam: He Ne / Diode.  Cooling: Air Spot size: Less then 20 microns Power: 220V, 50 Hz.  ACCESSORIES: With original motorized table/Imported from Europe/Japan/USA.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	60000	01	60000
12.	<p><b>Iridotmy Lens</b>  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	60000	01	60000
13.	<p><b>HOSPITAL WASTE INCINERATOR</b>  The INCINERATOR (waste management system) is a turn-key project which will comprise a hospital grade incinerator, allied accessories and operation for proper disposal of hospital solid waste material and imputed human organs. The incinerator shall also be suitable for plastic, paper, textile and rubber dry and wet infectious waste of the hospital. The unit shall be of high performance to be operated continuously for at least 12 hours daily. The primary source of fuel will be natural gas based on pyrolytic combustion with smokeless emissions having standby fuel arrangements of LPG as the pressure of natural gas drops and supply fluctuates throughout the year. For ensuring the clean environment, it should strictly comply with EPA standards having EIA certification. The system should have following specifications:</p> <p><b>BURNING CAPACITY:</b>  Continuous feeding and burning capacity of 50 kg / hour</p> <p><b>CONSTRUCTION:</b>  Packaged type skid mounted rectangular shape dual chamber construction.  The steel sheet shall be at least 6-8mm thick &amp; front of 10-12mm. It should be externally painted with heat resistant paint. The internal surface of the incinerator shall be lined with non-cracking refractory bricks or cast able concrete to withstand a temperature of 1400 degree Centigrade backed by thermal insulation. The thickness will be from 220-250mm. SS for chimney. The temperature of outer surface of the burning chambers should not rise beyond a temperature of 60 degree Centigrade after operation of several hours.</p> <p><b>PRIMARY CHAMBER (COMBUSTION):</b>  Primary chamber for Pyrolytic combustion mechanism and its</p>	30,000,000	01	30,000,000

volume will be according to the manufacturer's individual design. Volume of primary chamber will be according to capacity in rectangular shape.

It should have separate doors for waste feeding and ash removal. The feeding door should be in accordance to load size. Blower centrifugal fan(s) shall be provided to inject air to burn the waste and gases in combustion chamber. Automatic electronically controlled air distribution and regulation system.

The temperature should not be less than 600 degree Centigrade.

A see through window with protection flap for inspection of burner's flame.

One electrically operated natural gas burner with the provision to operate on standby LPG fuel. Thermocouple/sensors to monitor the temperature of the primary chamber.

**SECONDARY CHAMBER (POST COMBUSTION):** The post combustion chamber for flue gases with retention time of 2.0 seconds to burn further for ensuring smokeless exhaust emissions. Volume of primary chamber will be according to capacity in rectangular shape.

Blower centrifugal fan(s) shall be provided to inject high pressure air to burn the waste and gases in post combustion chamber for ensuring proper burning of gases before exhaust. These fans will have an automatic servo controlled system for proper pumping of air according to the requirements. Automatic electronically controlled air distribution and regulation system.

The temperature should not be less than 1000C.

Two medium electrically operated natural gas burners or one large with the provision to operate on standby LPG fuel.

Thermocouple/sensors to monitor the temperature of the secondary chamber.

**BURNERS:**

Combustion and post combustion chambers with electrically operated burners suitable for natural gas operation as well as standby LPG fuel. Regulated automatically for controlling temperature inside the chamber.

Automatic closing of burners with opening of respective chamber's door.

Electrical safeties to prevent startup of burner unless its shutter is fully opened.

Closure of burner's shutter on its switching off.

Protection from radiant fire bed. Two/three burners for ensuring proper burning of gases.

Electrical power requirement 220V, 50Hz single phase.

Average natural gas consumption 20-25 m<sup>3</sup>/hr.

**STANDBY LPG FUEL:** There should be a manifold system for reserve LPG cylinders having sufficient capacity to run the incinerator for at least 12hrs. **FEED SYSTEM:** Manual feeding system in batches.

Calorific value of the feeding waste: 3500 – 4000 kcal/kg.

**CHIMNEY:**

Circular mild steel aluminum clad or Stainless Steel self-supported flanged sections chimney. Lined with high grade cast able concrete or refractory bricks followed by insulation material. Proper port for taking sample of exhaust gases to monitor emission levels as per international standards provided with a cover to be opened and closed when necessary without affecting the chimney's function. The sampling port will be in proper direction for easy usage. The chimney shall have height of 15 meters or better from ground level.

**GAS WASHER/ SCRUBBER:**

Mild steel/Stainless Steel integrated pass through type gas washing system with water sprayer and filter. Water saving system with re-circulating system and cooling tower

**WATER TREATMENT:**

Water treatment unit to treat the water used for gas washing before opening it into main drain having settling tank (SS), manual/automatic unit.

**CONTROLS:**

Microprocessor/PLC based control box with hinged sealed door.

- Pre-installed control circuitry should be rugged enough to withstand the temperature effect of the incinerator. It should house the ignition burner timer, feed interval timer, shut down timer post combustion chamber temperature controller, and controls for burner, blower fans, gas washer etc. Digital display of temperature and set timing parameters.
- The control panel shall be fitted with a functional synoptic view showing the operating situation of the whole installation Emergency Shutdown button for shutting it off in case of emergency.
- Electrical requirements 220V, 50Hz.
- EMISSION STANDARDS: Smokeless emission for at least 98% of running time. The flue gases should have contents according to the National Environment Quality Standards (NEQS).

**QUALITY STANDARDS:**

The Incinerator (system and emission levels) should comply with the standards of their respective regions/country in addition to EBA Pakistan. POWER REQUIREMENT: Single/Three phase operation.

**ACCESSORIES:**

1. Manual ash removal tool
2. Manual particulate removal tool from water trough.
3. Digital weighing scale with minimum 60x60cm platform for weighing the waste.
4. Mobile main SS trolley (anti magnetic) for transportation of hospital waste from wards to incinerator site/room approx. 125cmx100cmx90cm (IO to decide), 20cm wheels size.
5. Bin trolley in yellow color with a flap to open cover (foot operated) to hold yellow plastic bag of 5kg mixed waste. MS with powder coating or heavy Fiberglass / Plastic
6. Plastic waste bags yellow, as per WHO approved standards for 5kg mixed waste
7. Pair of leather gloves for hospital waste handling staff
8. Pair of long rubber shoes for hospital waste handling staff
9. Masks for odor, disposable
10. Syringe cutter with lifting
11. Sharp Container (pulp), incinerate-able, 10L capacity

**CIVIL WORKS:**

Following civil works, electrification etc will be conducted by the contracting firm: Incinerator room, waste storage/ segregation room will be constructed as per recommendations of the manufacturer and maintained at 4°C for storage. Electrical cables from main board to the incinerator.

Provision and lying of gas pipeline.

Construction/ lying of sewerage and water supply system for the incinerator.

Civil works in the incinerator room will be considered as standard component of the installation of the incinerator. The construction will be conducted with A-1 materials.

**SPECIAL TERMS & CONDITIONS:**

1. The firm will get it approved/ certified from the EPA as per their requirements.
2. The contracting firm will install commission and operate the incinerator as a turn-key project.
3. The contracting firm shall maintain, control and supervise the incineration process, segregation of waste, periodic monitoring of exhaust gases by EPD for proper functioning and implementation of hospital disposal system
4. The contracting firm shall also impart training to the hospital staff and conduct the workshops so that after complete handing over the

	<p>system, the hospital should have sufficient technical expertise and skilled persons competent to handle the infectious waste for its efficient disposal.</p> <p>5. The contracting firm will be responsible for testing and maintaining of emission levels and get it monitored regularly by the EPA during warranty period.</p> <p>6. The standby LPG fuel arrangement will be done by the firm but the hospital will pay the expenditures of LPG. The LPG cylinders must comply with international standards like BS/EN/DOT.</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
14.	<p><b>INDIRECT OPHTHALMOSCOPE</b>  Head mounted (adjustable).  Illumination LED or Halogen.  Pupillary distance &amp; size adjustable.  Output voltage: variable voltage power supply. Filters: Red free, Cobalt blue, Teaching mirror. Scleral depressor, detachment chart and carrying case.  <b>ACCESSORIES:</b> With 06 spare bulbs only for halogen illumination ophthalmoscope. 20 D lens and 28 D lens  <b>OPTIONAL:</b>  Cordless  if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	100,000	01	100,000
15.	<p><b>Phaco machine Pulsar 2 Casette</b></p>	2,000,000	01	2,000,000
16.	<p><b>DCP Set for Radius/ulna</b></p> <ol style="list-style-type: none"> <li>1. Countersink, large.</li> <li>2. T-handle with quick coupling.</li> <li>3. Tap for 4.5 mm cortical screws, length 125 mm, thread length 70 mm.</li> <li>4. Tap for 6.5 mm cancellous bone screws.</li> <li>5. Double drill sleeve 4.5/3.2.</li> <li>6. Insert Drill Sleeve 4.5/3.2 length 80mm.</li> <li>7. Double Drill Sleeve 6.5/3.2.</li> <li>8. Screwdriver Shaft, hexagonal, large, length 100mm.</li> <li>9. Screwdriver, hexagonal, large with groove, length 240mm.</li> <li>10. Holding Sleeve, large, length 120mm.</li> <li>11. Depth gauge for 4.5-6.5 mm screws.</li> <li>12. Sharp Hook length 155mm.</li> <li>13. Tension Device articulated.</li> <li>14. Combination Wrench 11 mm, L 140 mm.</li> <li>15. DCP Drill Sleeve 4.5mm.</li> <li>16. LC-DCP Drill Sleeve 4.5mm.</li> <li>17. Universal Drill Sleeve 4.5mm.</li> <li>18. Bending Template for DCP@4.5 and LC-DCP 4.5, length 120 mm.</li> <li>19. Ratchet Wrench 11 mm, length 140 mm.</li> <li>20. Bone Holding Forceps, self-centering, with soft lock length 239 mm.</li> <li>21. Bone Holding Forceps, self-centering, with soft lock length 258 mm.</li> <li>22. Bone Holding Forceps, self-centering, 277 mm.</li> <li>23. Reduction Forceps, serrated jaw with soft lock, length 250 mm.</li> <li>24. Bone Spreader, blade width 12 mm with soft lock.</li> </ol> <p><b>Note:</b> The minor variation in sizes would be acceptable and shall not be considered as reason of rejection</p>	50,000	01	50,000



17.	<p><b>DCS/DHS</b></p> <ol style="list-style-type: none"> <li>1. Instrument Case / Sterilizing Tray.</li> <li>2. DHS/DCS central sleeve locking.</li> <li>3. Kirchner wire, 2.0 mm Dia, with trocar tip, length150mm. st steel.</li> <li>4. DHS/DCS Guide wire, 2.5 mm Dia, with threaded tip.</li> <li>5. DHS angle guide 135 degree.</li> <li>6. DHS angle guide 140 degree.</li> <li>7. DHS angle guide150 degree.</li> <li>8. DHS/DCS Direct Measuring Device</li> <li>9. DHS/DCS Wrench, length245mm.</li> <li>10. DHS/DCS T handle with quick coupling, length 80 mm.</li> <li>11. Drill bitt, 8.0mmdia, length245 mm.</li> <li>12. DHS Reamer.</li> <li>13. Knurled Nut for DHS/DCS reamers.</li> <li>14. DHS/DCS Tap length220 mm.</li> <li>15. Coupling Screw short.</li> <li>16. Guide Shaft.</li> <li>17. Coupling Screw, long.</li> <li>18. DHS/DCS Wrench for one step insertion, length 230 mm.</li> <li>19. Coupling Screw cannulated.</li> <li>20. Kirschner Wire, 2.0 mm Dia, with trocar tip, length150mm,st. steel.</li> <li>21. Drill Bit, 3.2 mm Dia , length145/120mm, for quick coupling.</li> <li>22. Drill Bit , 4.5mm Dia, length 145/120mm, for quick coupling.</li> <li>23. Tap for 4.5mm cortex screws, length 125mm, thread length 70mm.</li> <li>24. Tap for 6.5mm Cancellous Bone Screws.</li> <li>25. Double Drill Sleeve 6.5/3.2</li> <li>26. Screwdriver Shaft, hexagonal, large, length 100mm</li> <li>27. Screwdriver, hexagonal, large, with grooves, length 240mm.</li> <li>28. Holding Sleeve large, length 120mm. 6</li> <li>29. Depth Gauge for 4.5-6.5mm screws.</li> <li>30. Screw Forceps, self-retaining, L 85mm.</li> <li>31. DCP Hip Drill Sleeve 4.5.</li> <li>32. Universal Drill Sleeve 4.5mm</li> <li>33. DHS/DCS Guide Wire, 2.5 mm Dia, with threaded tip.</li> <li>34. DHS Angled Guide 135 degree.</li> <li>35. DHS Angled Guide 150 degree.</li> <li>36. DHS/DCS Direct Measuring device.</li> <li>37. DHS/DCS Wrench, length 245mm.</li> <li>38. DHS/DCS T- handle with quick coupling, length 80mm.</li> <li>39. Drill Bit 8.0 mm Dia, length 245mm.</li> <li>40. DHS Reamer.</li> <li>41. Knurled Nut for DHS and DCS Reamers.</li> <li>42. DHS/DCS Impactor, length 200mm.</li> <li>43. DHS/DCS Tap, length220mm.</li> <li>44. DHS/DCS Centering Sleeve, short.</li> <li>45. DHS/DCS Central Sleeve, long.</li> <li>46. Coupling Screw Short.</li> <li>47. Guide Shaft.</li> <li>48. Coupling Screw, long.</li> </ol> <p><b>ACCESSORIES: if any should be quoted separately</b>  <b>Note:</b> The minor variation in sizes would be acceptable and shall not be considered as reason of rejection</p>	75,000	01	75,000
18.	<p><b>AUSTIN MOORE SET</b></p> <ol style="list-style-type: none"> <li>1. Austin Moore Rasp with Tomy Bar</li> <li>2. Bone File Large</li> <li>3. Bone Hammer 500gm</li> <li>4. Extractor with 2Hook</li> <li>5. Head Measuring Gauge 37mm to 55mm</li> <li>6. Impactor For Solid Aluminum Handle</li> <li>7. Judet Extractor</li> <li>8. Moore Hollow Chisel</li> <li>9. Murphy Bone Skid</li> <li>10. Nylon Face Impactor</li> <li>11. Spare Hook</li> <li>12. Thompson Rasp with Tomy Bar</li> <li>13. Graphics Aluminum Box with Silicone Fittings</li> </ol>	75,000	01	75,000

19.	<p><b>NAILING SET A</b></p> <ol style="list-style-type: none"> <li>1. Reverse Awl.</li> <li>2. Screwdriver , hexagonal, 4.0</li> <li>3. Depth Gauge.</li> <li>4. Inserter-Extractor for femoral nail.</li> <li>5. Universal Joint.</li> <li>6. Screwdriver, hexagonal, cannulated,5.0mm</li> <li>7. Drill Bits 4.2</li> <li>8. Ratchet Wrench</li> <li>9. Fixation Sleeve for Drill Bit</li> <li>10. L-Wrench, hexagonal,3.0</li> <li>11. Drill Bit 5.0mm</li> <li>12. Drill Bit with flat head 5.0</li> <li>13. Tissue Protector</li> <li>14. Trocar, use with protection sleeve</li> <li>15. Protection Sleeve</li> <li>16. L-Handle Drill Sleeve</li> <li>17. Insertion Handle for Femoral Nail</li> <li>18. Connecting Screw, cannulated, for Femoral Nail</li> <li>19. Proximal Aiming Arm for Femoral Nail</li> <li>20. Distal Aiming Arm for Femoral Nail.</li> <li>21. Aiming Arm Shaft for Femoral Nail</li> <li>22. Locking Screw 1 for Aiming Arm.</li> <li>23. Radiographic Ruler for Femoral Nail</li> <li>24. Calibrating Pin</li> <li>25. Locking Screw 2 for Aiming Arm</li> <li>26. Hammer</li> <li>27. Protection Sleeve , for Calibrating pin</li> <li>28. Locking Screw 3 for Aiming Arm</li> <li>29. U-Clip, 9.0</li> <li>30. Wrench for Connecting screw</li> <li>31. Adjusting Trocar</li> <li>32. U-Clip 10mm</li> <li>33. Screwdriver Shaft for End Cap</li> <li>34. Outer Protection Sleeve, for calibrating pin</li> <li>35. Trocar ,for outer protection sleeve, for calibrating pin</li> <li>36. Guide Wire, 2.5mm, length 660mm, with olive head.</li> <li>37. Guide Wire 2.5mm, length 250mm</li> <li>38. Drill Guide for Guide Wire</li> <li>39. Connecting Screw for Inserter-Extractor</li> <li>40. Screwdriver, hexagonal, with universal joint</li> <li>41. U-Clip , 11mm</li> <li>42. Locking Screw 4 for Aiming Arm</li> <li>43. Instrument Case</li> <li>44. Flexible Reamers Cannulated, total number 21, starting from 6.0mm, with 0.5 mm increment in diameter</li> <li>45. Connecting assembly for flexible reamers with power drill 17</li> <li>46. Manual reamers, cannulated, total number 11, starting from 6.0mm with 1.0mm increment in diameter.</li> </ol>	89,000	01	89,000
20.	<p><b>NAILING SET B</b></p> <ol style="list-style-type: none"> <li>1. Instrument Case.</li> <li>2. Reverse Awl</li> <li>3. Screwdriver Hexagonal, 4.0mm</li> <li>4. Depth Gauge</li> <li>5. Inserter-Extractor, for distal femoral nail</li> <li>6. Screwdriver , hexagonal, cannulated 5.0mm</li> <li>7. Drill Bit 4.2</li> <li>8. Fixation Sleeve for Drill Bit 4.2.</li> <li>9. L-Wrench ,hexagonal,3.0</li> <li>10. Tissue Protector</li> <li>11. Trocar, use with protection sleeve</li> <li>12. Protection Sleeve</li> <li>13. L-Handle Drill Sleeve, use with protection sleeve.</li> <li>14. Connecting Screw , Cannulated, for Distal Femoral Nail</li> <li>15. Screw for Aiming Arm</li> <li>16. Aiming Arm , long for distal femoral nail</li> <li>17. Aiming Arm, short, for distal femoral nail.</li> </ol>	90,000	01	90,000

	18. Wrench for connecting screw 19. Hammer 20. Connecting Screw , cannulated, for Distal Femoral Nail 21. Screw for Aiming Arm 22. Aiming Arm , long for Distal Femoral Nail 23. Aiming Arm short, for Distal Femoral Nail 24. Wrench for connecting screw 25. Hammer 26. Screwdriver shaft for End Cap 27. Guide Wire 2.5mm, length 660mm with Olive head 28. Guide Wire 2.5mm, length 660 mm without olive head 29. Guide Wire 2.5mm ,length 250mm			
21.	<b>NAILING SET C</b> 1. Instrument Case. 2. Reverse Awl 3. Drill Bits 3.0mm length 200mm. 4. Drill Bits 3.2mm, length 200mm. 5. Protection Sleeve 8.0m, length 85mm. 6. Protection Sleeve 10mm, length85 mm. 7. Trocar ,6.0 mm 8. Trocar, 8.0mm 9. Inner Sleeve 6.0mm 10. Screwdriver Shaft, hexagonal, 3.0mm 11. Screwdriver , hexagonal, 3.0mm 12. Fixation Sleeve for drill bits 13. L-Wrench, hexagonal, 3.0mm 14. Inserter-Extractor for Humeral Nail. 15. Universal Joint 16. Radiographic Ruler for Humeral Nail 17. Insertion Handle for Humeral Nail 18. Aiming Arm Straight 19. Aiming Device for distal , curved 20. Aiming Device for Proximal 21. Locking Screw for Aiming Arm 22. Connecting Shaft for Aiming Arm 23. Ratchet Wrench 24. Depth Gauge 25. Guide Wire 2.0mm, length 660mm, without olive head 26. Guide Wire 2.0mm, length 660mm, with olive head	90,000	01	90,000
22.	<b>NEBULIZER MACHINE</b> For nebulization of respiratory tracts. Hospital grade for continuous operation. Ultrasonically generated uniform and highly dense particles of 0.5-5 microns size. Approximately 65-70% of particles of less than 4 micron size. Autoclave able delivery pipes. Air flow of 10 L/min. Aerosol heating facility Quiet operation with noise level of less than 40dB. Nebulizing time setting from 0-30 min. Medication cup capacity: 150 ml. Power of 220 Volts / 50 Hz. One extra Flexible arm/ delivery pipe/masks (all sizes). Complete with bacteria filter <b>ACCESSORIES:</b> If any, should be quoted separately <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	6,000	01	6,000
23.	<b>NAILING SET D</b> 1. Instrument Case 2. Insertion Handle for Tibial Nail 3. Aiming Arm Shaft for tibial Nail	90,000	01	90,000

	<p>4. Proximal Aiming Device for Anteroposterior interlocking, right  5. Distell Aiming Device for Tibial nail  6. Connecting Screw, cannulated, short ,for Tibial Nail  7. U-Clip8.0mm  8. Locking Screw 1 for Aiming Device  9. Calibrating Pin  10. Locking Screw 11 for Aiming Device  11. Locking Screw 111 for Aiming Device  12. Screwdriver, hexagonal, 4.0mm  13. Screwdriver Cannulated, 5.0mm  14. Depth Gauge  15. U-Clip ,9.0mm  16. U-Clip 10.0mm  17. Inserter- Extractor for Tibial Nail  18. L-Wrench Hexagonal,3.0mm  19. Reverse Awl  20. Protection Sleeve  21. Drill Sleeve, 4.0mm  22. Drill Bits, 3.8mm  23. Trocar 8.0mm  24. Fixation Sleeve for Drill Bit, 4.0mm  25. Hammer  26. Drill Bits 5.0mm  27. Drill Bits with flat head  28. Protection Sleeve for Calibrating Pin  29. Tissue Protector  30. Radiographic Ruler for Tibial Nail  31. Wrench, for Connecting Screw  32. Proximal Aiming Device for Anteroposterior Interlocking, left  33. Adjusting Trocar  34. Guide Wire 2.0mm, length 660mm, with olive head  35. Guide Wire 2.0mm, length 660mm, without olive head  36. Guide Wire , 2.5mm, length 250mm  37. Screwdriver Shaft for End Cap  38. Outer Protection Sleeve, for calibrating pin  39. Trocar for Outer Protection Sleeve, for Calibrating pin  40. Drill Guide for Guide Wire  41. Connecting Screw for inserter-extractor  42. Screwdriver, hexagonal, with universal joint</p>			
24.	<p><b>K-WIRING SET</b>  stainless steel  0.8 mm 20 Pieces  1.0 mm 20 Pieces  1.2 mm 20 Pieces  1.5 mm 20 Pieces  2.0 mm 20 Pieces  2.5 mm 20 Pieces  3.0 mm 20 Pieces  3.5 mm 20 Pieces  4.0 mm 20 Pieces  4.5 mm 20 Pieces</p>	20,000	01	20,000
25.	<p><b>TBW set</b>  K-wires 1.5/2mm 20 pieces / 20 pieces  Hand Drill set  Drill bit 2mm (Stainless Steel)  Triple Drill sleeve (2mm)  Pointed Reduction forceps 2 pieces  Wire tightener set  Wire Bending Forceps set  Wire Cutter set  K wire Punch  Mallet</p>	15,000	01	15,000
26.	<p><b>GENERAL SURGICAL INSTRUMENTS</b>  1. Bone Levers  a. Width 08mm, length 100 mm  b. Width08 mm, length 130mm  c. Width 18mm, length 130mm</p>	50,000	01	50,000

- d. Width 18mm, length 150 mm
- e. Width 18mm, length 190mm
- 2. Muscle Retractors
  - a. Width 23mm , length 40mm
  - b. Width 23mm, length 80mm
  - c. Width 23 mm, length 140mm
  - d. Width 23 mm, length 160mm
- 3. Universal Chuk with T-Handle, cannulated
- 4. Bone Forceps
  - a. Self-Centering, length 144mm
  - b. Self-Centering, length 191mm
  - c. Self-Centering, length 239 mm
  - d. Self-Centering, 258mm
  - e. Self-Centering, 277mm
  - f. Bone Holding Forceps with ball, length 156mm
  - g. Reduction Forceps, serrated jaws, length 146mm
  - h. Reduction forceps, serrated jaws, length 194 mm
  - i. Reduction Forceps, serrated jaws, length 250mm
  - j. Patella Forceps, length 171mm
  - k. Stagbeetle Forceps, length 117mm
  - l. Reduction Forceps with points, length 126mm
  - m. Reduction Forceps with points, length 222mm
  - n. Bone Spreader, blade width 5mm, length 144mm
  - o. Bone Spreader, Blade width 12mm, length 260mm
  - p. Fibular Forceps
  - q. Periarticular Reduction Forceps, small and large
- 5. Periosteal Elevator, 13mm wide , length 200mm
- 6. Periosteal Elevator, curved shaft, length 200mm
- 7. Hammer, weight 100 g, 350 g
- 8. Chisel handle
- 9. Chisel Blades 05 sizes
- 10. Gouges , 06 different sizes
- 11. Osteotomies , 06 different sizes
- 12. Bone Hook , sharp, small
- 13. Bone Hook , sharp, large
- 14. Triple Drill Guide
- 15. Wire Passer
- 16. Wire tightener
- 17. Cerclage Wire Tightener
- 18. Forceps for twisting wires, long
- 19. Forceps for twisting wires , small 28
- 20. Holding forceps for cerclage wires
- 21. Wire Bending Pliers
- 22. Parallel Pliers , flat nosed
- 23. Vice Grip
- 24. Wire Cutter , small
- 25. Wire Cutter , large
- 26. Wire cutter , long
- 27. Wire Cutter , short
- 28. Bending Iron for Kirchner Wires
- 29. Hand Chuck for Kirchner wires
- 30. Instruments for Removal of Damaged Screws
  - a. Reamers, hollow
  - b. Spare Reamer Tubes for Hollow Reamers
  - c. Extraction Bolts
  - d. Extraction Screws
  - e. Forceps for Screw Removal
  - f. Gouge
  - g. Instrument Case
- 31. Bone Cutting Forceps
- 32. Bone Rongeurs, Nibblers, straight, 18, 19, 20cm in length
- 33. Bone Rongeurs, curved, 18 and 20 cm in length
- 34. Bone Skid
- 35. Sterilization Tray Amputation Saw
  - 1. Plaster Saw
  - 2. Plaster Spreader
  - 3. Goniometer
  - 4. Vernier Caliper
  - 5. Bone Reamers for Austin More Prosthesis, small and large

	<p>6. Box Osteotome  7. Gigli saw  8. Bending Irons for DCP , large  9. Bending Iron for DCP , small  10. Intramedullary Bone Saw includes  a. Bone Saw Assembly.  b. Blades.  c. Cams  d. Chisels  1 Sterilize able Container  2 Irrigating Cannula with olive tip  3 Humby Knife  4 Skin Traction Plate  Optional:  1. Watson Knife  2. SKIN GRAFT MESHER  1. Capable of handling thin and thick grafts of any length  2. Geometrically defined cutting of skin graft  3. Efficient performance  4. Availability of different expansion ratios for flexibility  5. Keyless disassembly OR recommended design of manufacturer  Note: The minor variation in sizes would be acceptable and shall not be considered as reason of rejection</p>			
27.	<p><b>GENERAL SURGICAL INSTRUMENTS</b>  1. Artery Forceps, small, straight, 15 cm long  2. Artery Forceps, small, curved, 15 cm long  3. Artery Forceps, medium, curved, 20 cm long  4. Artery Forceps, medium , straight, 20 cm long  5. Artery Forceps, large, straight  6. Kocher Forceps, large  7. Allis Forceps, small  8. Allis Forceps, large  9. Hook Retractors  10. Cat Paw Retractors  11. Langenbach Retractors  12. Sponge Holding Forceps  13. Dissecting Scissors, small, curved , 15cm  14. Dissecting Scissors, curved , 20 cm long  15. Dissecting Scissors, curved, 25 cm long  16. Straight Scissors, small , 15 cm long  17. Straight Scissors, medium, 20 cm long  Note: The minor variation in sizes would be acceptable and shall not be considered as reason of rejection</p>	50,000	01	50,000
28.	<p><b>HEAVY DUTY SUCTION MACHINE</b>  Reciprocating, oil free pump mechanism.  Heavy duty Mobile Suction Unit with twin jars (Polysulfone / Polycarbonate type) of capacity up to 4 or 5 liter each, Autoclaveable.  Aspiration rate up to 40-50 liters/minutes or more at 650-900mm.Hg  Vacuum continuously adjustable  Triple flow safety device  Change over valve  Suction tubing of silicone with coupling connection for each jar  Noise Level 45 dB or less. 220V/50Hz.  <b>Accessories:</b>  • 10 x bacterial filter  • Original trolley with lockable wheels.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	450,000	01	450,000

29.	<p><b>LIGHT DUTY SUCTION MACHINE</b>  Reciprocating, oil free pump mechanism.  Heavy duty Mobile Suction Unit with twin jars (Polysulfone / Polycarbonate) of capacity up to 2 or 3 liter each, Autoclaveable.  Aspiration rate up to 20-30 liters/minutes or more at 650-900mm.Hg  Vacuum continuously adjustable  Triple flow safety device  Change over valve  Suction tubing of silicone with coupling connection for each jar  Noise Level 45 dB or less. 220V/50Hz.  <b>Accessories:</b>  <ul style="list-style-type: none"> <li>• 10 x bacterial filter</li> <li>• Original trolley with lockable wheels</li> </ul> <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	350,000	01	350,000
30.	<p><b>WEIGHT MACHINE WITH HIGHT SCALE</b>  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	5,000	01	5,000
31.	<p><b>DEFIBRILLATOR</b>  Biphasic transthoracic (external) defibrillator with LCD colour display  Synchronized output with ECG.  Energy selection &amp; delivery on control panel and paddles for external defibrillation.  Energy selection and delivery on control panel for internal defibrillation.  Charging Indicator  The energy range should be adjustable for peads and adults up to 200Joules.  Charging Time for full energy should be less than 05 sec  Screen Size of approx. 5 inch colored.  Display of HR, ECG through paddles and Lead I,II &amp; III patient cable.  Built in recorder for printing of full summery on standard 50mm paper.  Alarms for High and low Heart rate, low battery warning.  Built-in Rechargeable battery with charger for minimum 50 shocks at max energy.  Auto tester/self check.  External Paddles (Adult, Paed, Neonate)  AED facility with cable.  Pacing facility  AC 220V / 50Hz operated.  Accessories:  Complete with standard accessories, including reusable type Adult, Paediatric&amp; Neonatal sensors  Original trolley/cart    <b>Optional (Mandatory to quoted):</b>  Qty of Reusable sensors  Internal Paddle (Adult, Paed, Neonate)  ETCo2  Spo2  Disposable pacing pads    <b>OPTIONAL:</b> if any, should be quoted separately</p>	400,000	02	800,000

	<p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
32.	<p><b>ECG MACHINE 12 CHANNEL</b>  Twelve Channel ECG on at least 5 inches LCD display  Automatic Operation  Variable gain: 1/2, 1, 2 cm/mV  Thermal recorder for printing out Twelve channels simultaneously.  Interpretation software.  Recording Trace speed: 10, 25 and 50 mm/sec, Muscle artifact and AC (50Hz) interference filters  Defibrillator protection  Built-in AC operation &amp; battery backup minimum 30mins  Paper size: A4/210mm  Built-in AC interference, noise filter and baseline drift control.  Capability to interface with LAN/WLAN for data transfer  Paper Roll 50.  Accessories:  Complete with standard accessories, including separate patient cables for Adult, Pediatric &amp; Neonatal use with re-usable electrodes  Optional (If any):  Mobile Cart: Imported  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any two of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	355,000	01	355,000
33.	<p><b>DIATHERMY MACHINE</b>  Microprocessor based electrosurgical unit for normal and under water cutting usages.  Automatic self-test function.  Operation in radio frequency range.  Controls for cutting, coagulation, spray and blends. Monopolar cutting power of 300 watts.  Bipolar cutting power of 80 watts.  Mono polar coagulation power of 100 Watts.  Bipolar coagulation power of 50 Watts.  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.  • Trolley having anti-static lockable wheels.  • Attachment for monopolar coagulation.  • Knife electrode.  • Surgical electrode, ball-shaped.  • Wire loop electrode.  • Needle electrode.  • Ball electrode.  • Bipolar coagulation forceps.  • Reusable silicon patient plate.  • Double paddle foot switch, explosion proof.  • Trolley with lockable antistatic castors.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p>	450,000	03	450,000



	<p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
34.	<p><b>ULTRA THIN X-RAY FILM ILLUMINATOR USING LED LAMPS, WALL MOUNTED.</b>  Four Films  Thickness: 30 mm or less.  Viewing area: 370x420mm. +/- 05 % variation is acceptable  LED Lamps life: More than 30000-40,000 hours.  Easy insertion &amp; removal of the film  X-Ray film Holder: Rust-free steel clapper (rolling pin)  Homogeneous illumination, flicker free. Illuminance:3500-4500 cd/m2 .  On-Off button &amp; separate Brightness control.  Film sensor to turn-off at some interval after film removal. 220V, 50Hz  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	20,000	01	20,000
35.	<p><b>DIATHERMY BIPOLAR</b>  Microprocessor based solid state electrosurgical unit for normal and under water cutting  Separate controls for monopolar and bipolar coagulation  RF power for monopolar cutting not below 300 watts  Monopolar coagulation 120 watts or better  At least 5 - 8 blend modes  Bipolar coagulation not below 50 watts with floating output  Spray coagulation  Bipolar cutting power 120 W  Earth free patient circuit  Complete with following accessories  Foot switch, reusable patient plate, monopolar handle with cord and surgical needles  (Knife, ball electrode, loop electrode and needle 12  Non-stick bipolar forceps with cord cable (Straight &amp; bayonet &amp; Angled shaped all electrosurgical unit to conform to IEC 601-1 standard  locally trolley with imported lockable wheel  The system must have automatic self-test  220V 50Hz 1-Phase  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	450,000	01	450,000
36.	<p><b>CRANIAL ENDOSCOPY</b>  Wide Angle Straight Forward  6°, degree therapeutic stable version with angled eyepiece, outer diameter 6.1mm (approximate)  Instrument channel diameter 2.9mm with suction and irrigation channel 1.6mm length 18 cm (approximate)  Autoclavable fiber optic light transmission incorporated,  Operating Sheath rotatable, Outer diameter 6.8 mm, working length 13.3 cm,  Obturator  Puncture Needle diameter 1.7mm length 30cm</p>	2,500,000	01	2,500,000

Grasping Forceps with teeth, single action jaws, diameter 2 mm  
Working length 30 cm,  
Biopsy Forceps, both jaw parts moveable size,2mm working length  
30 cm  
Bipsy Forceps, double action jaws, semi flexible 1 mm, length 30 cm  
Scissors, pointed single action jaws, diameter 2 mm,  
Working length 30 cm,  
Biopsy Forceps , single action jaws, diameter 2.7 mm length 30cm  
Ventriculostomy Forceps, diameter 2 mm working length 30 cm  
Ventriculostomy Forceps, diameter 1 mm flexible working length 30  
cm  
Coagulating Electrode, bipolar, 5 Fr.  
Coagulating Electrode, unipolar, semiflexible working length 30 cm  
Diameter 5 fr  
Suction Satheter, flexible, for single use, diameter 2.5 mm,  
working length 45 cm package of 10  
Suction and Irrigation Tube, autoclavable ,with LUER lock  
connection  
Balloon Catheter O.D.1.0 mm, length 40 cm, volume 0.20 ml sterile,  
Single use 10 pieces  
Sterilization tray  
Holding System with Complete set,  
Bipolar HF Cord  
Unipolar HF Cord  
Digital FULL HD Camera module Camera Control Unit for use with  
Rigid endoscope,  
**Camera input:**  
Maximal resolution: 1920 x 1080 pixels  
Automatic Gain Control: Microprocessor controlled  
Connection: Module link cable to video processor module.  
**Features:**  
Modular design: For use with a video processor module and a  
compatible 3-chip  
FULL HD camera head in combination with a compatible with 3-chip  
camera head  
Following modes to be activated without special light source or filter  
Color inversion by spectral color shift.  
Brightening of dark areas in the endoscopic image.  
Contrast enhancement.  
Compatible with special FULL HD microscopy camera head.  
Highest possible FULL HD resolution of 1920 x 1080 pixels.  
Progressive scan for an extremely smooth image without flickering  
and noise.  
Compatible camera heads. Changes in visualization modes, device  
control,  
digital zoom, brightness, video capture, still image capture and direct  
print  
Orders, picture-in-picture mode, image direction, white balance and  
setup setting  
Can be performed in sterile area via camera head buttons

**Digital 3-chip Camera Head.**  
programmable  
Image sensor: 3 x 1/3" CCD Chip  
pixels: 1920 (H) x 1080 (V) pixels per chip  
CCD chip supports; 16:9 input format  
Minimum light sensitivity: 1.17 Lux  
**Features:**  
3-chip technology.  
Image acquisition in format 16:9, with 1920 x 1080 pixels and  
progressive scan.  
Freely programmable camera head buttons.  
Compatible with systems with integrated, innovative visualization  
technology for surgery by shifting the color spectrum and via  
homogeneous illumination and contrast enhancement  
Suitable light sources are controllable by camera head buttons.  
Suitable insufflators are controllable by camera head buttons.  
Suitable camera control units can store HD images and HD video  
clips to

	<p>USB mass storage devices in conjunction with camera head. Suitable sterilization tray is available to safely store the camera head during sterilization</p> <p><b>Digital FULL HD Videoprocessor Module with integrated documentation:</b> function for image and video capturing for use with 3-chip-FULL HD camera heads,</p> <p><b>Technical data:</b> Connections: 2 x DVI-D output, 1 x 3G-SDI output, 3 x camera input, Max. resolution: 1920 x 1080 pixels Power supply: 100-120 VAC, 50/60HZ, 200 - 240 VAC, 50/60 Hz Optional: USB to ACC adapter for device control <b>Features:</b> Modular design: For use in combination with at least one camera module. Parallel live display of visualization modes besides white light mode (picture-in-picture). Up to three different camera modules can be connected to the FULL HD video processor module. Integrated picture-in-picture mode of two different camera modules in five different display sizes available. Primary and secondary signal source change in picture-in-picture mode can be performed easily via camera head button Integrated communication bus for device control and information display of connected devices. Highest possible FULL HD resolution of 1920 x 1080 pixels. Still image capturing in FULL HD quality. Still image capturing can be adjusted by 4 different, time wise variable image Freeze selection including picture-in-picture mode. Video capturing in FULL HD quality. Medical USB printer compatible (plug&amp; play). Data capturing functions can be released. Automatic adjustment of light intensity of light source via communication bus. control of complete camera system can be realized from camera head from sterile area. Grid and pointer can be displayed for improved orientation and communication during surgery. Grid and pointer can be displayed individually and together.</p> <p><b>27" FULL HD Monitor, With LED Back Light For Low Energy:</b> Picture-in-Picture (Pip) And Picture-by-Picture With Medical Grade from manufacturer Video inputs: DVI,VGA,S-video, Composite / FBAS Video outputs: DVI, S- Video, Composite / FBAS <b>Light Source LED</b> : With integrated , high-performance LED and one light outlet, Operating hours 30,000 Power supply 110 - 240 VAC, 50/60 Hz Optional: USB foot switch <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
37.	<p><b>ULTRASONIC SURGICAL ASPIRATOR</b></p> <ul style="list-style-type: none"> <li>• For use in different brain and spinal operations.</li> <li>• Electric Ultrasonic aspirating system should have 100 Watt output power or more.</li> <li>• Irrigation flow maximum 25 ml to 50 ml/min.</li> <li>• Suction pressure 0-0.6 bar or better.</li> <li>• Steam autoclavable hand pieces.</li> <li>• Ultrasonic Surgical Aspirator system on mobile trolley with 4 wheel castors.</li> </ul>	2,000,000	01	2,000,000

	<ul style="list-style-type: none"> <li>• Variable energy and control aspiration.</li> <li>• Tissue selection mode.</li> <li>• Integrated cooling and suction facility.</li> <li>• Compatible module for electrosurgical unit.</li> <li>• Inclosing of the following accessories and hand pieces of :</li> <li>• One Console</li> <li>• Magnetostrictive Technology/ Piezo Electric and water cool hand pieces</li> <li>• Ultrasonic Surgical Aspirator with foot switch control system.</li> <li>• One Hand Piece straight with resonance frequency 23 kHz or more</li> <li>• One Hand Piece angled with resonance frequency 23 kHz or more</li> <li>• Sterilization case for each hand piece</li> <li>• Ultrasonic bone sculpting saber tip</li> <li>• Micro Tip for transphenoidal work</li> <li>• Biopsy collection Trap</li> <li>• Irrigation Built in</li> </ul> <p><b>OPTIONAL:</b> One Hand Piece Angled With Resonance Frequency 36 Khz</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
38.	<p><b>Laparoscope</b>  Imaging System should have backward and forward compatibility and modularity for futures upgrade and with latest image enhancement mode for better image quality and identification of the land marks and pathology for better outcomes of the surgery.  Laparoscope and all allied components of these specifications shall be providing with full HD, minimum of 1920 x 1080 pixels with the method of progressive scanning.</p> <p><b>Telescope</b>  Diameter 10mm 0° (working length 290 – 310mm.  10mm straight 30° (working length 290 – 310mm.  5mm straight forward 0° .  5mm forward oblique 30° .  Camera full HD with 3CCD  Camera control unit and video camera head, pal system.  Resolution 1920 x 1080pixel progressive scan  Power supply 100 – 240 VAC, 50Hz  Automatic white balance  Powerful video signal processing  Image enhancement modes  Picture in picture mode control via camera head button / monitor Control of peripheral i.e light source, recording system parameter via camera head button. Still image capturing in full HD quality (IPEG) format via camera head button. Video capturing in full HD quality (MPEG 4 format) via camera head button.  5 individual preset or better.  3 patient data backup or better  Max. resolution 1920 x 1080 pixel, progressive scan.  Video output through processing unit / monitor.  Composite signal to BNC socket  S-Video signal to 4 pin, mini DIN socket (2x)  RGB Signal to D-sub socket  DVI signal to DVI socket (Only with DVI module)  SDI signal to BNC socket (Only with SDI module) (2x)  HDTV signal to DVI D-socket</p> <p><b>Monitor</b>  Medical Grade Full HD LED, 26" from the same principal.</p> <p><b>Trolley</b></p>	80,000,000	01	80,000,000

	<p>From the same principal</p> <p><b>Light source</b> LED type working hours 25K or more Light guide cable internal bundle diameter 4mm or more Length 200 – 300 cm</p> <p><b>Electronic CO2 Insufflator</b> 40 – 50 liter / min, complete in all respect with all standard accessories</p> <p><b>Suction Irrigation System</b> Suction irrigation system complete in respect with all standard accessories</p> <p><b>Recording System</b> Integrated / separate medical grade video recorder with storage capacity of 500GB or more.</p> <p><b>Accessories</b> Clip Applicator Trocar with trocar sleeve 10mm Approx Trocar with trocar sleeve 5mm Approx High flow verses needle Reducing sleeve Imported Online 2KVA UPS with 30minutes backup to be provided locally CO2 Cylinder 240 CFT with complete accessories (dully attested by the authorized agency) Imported storage boxes for optics &amp; instruments Imported disinfection boxes Standard cleaning set as per manufacturer recommendation for cleaning of tubular shafts and other instruments. Diathermy lead autoclave able Bipolar forceps and lead</p> <p><b>Note:</b> The minor variation in sizes and types of the instrument would be acceptable. The size of instruments is approximate. The mentioned shape and style of instruments is for reference and may be quoted their equivalent.</p> <p><b>Optional (If any):</b> Peads mode availability low flow insufflator vessel enhancement mode. Infrared Light Source, 4K Monitor Any other if required</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
39.	<p><b>Laparotomy Set Complete</b> Yanker Suction Tube 2 Forceps Holder 3 Knife handle 5 Operating Scissor 1 Mayo dissecting Scissors 2 Metzenbaum scissors 3 Thumb Dressing Forceps 1 Tissue Forceps 1 Adson Dressing Forceps 2 Russian Tissue Forceps 1 Cushing Dressing Forceps 2 Halsted Mosquito Forceps 12 Kelly Forceps 18 Rochester-pean Forceps 8 Rochester-Ochsner Forceps 4 Mixer Forceps 2 Baby Mixer Forepss 1 Backhaus Towel Clamp 8 Forster Sponge Forceps 1 Mayo-hegar Needle holer 4 Poole Suction tube 1 Goelet Retractor 2 Ribbon Retractor 3 Deaver Retractor 2</p>	10,000	20	200,000

	Richardson retractor 2 Kelly Retractor 1 Balfour Retractor 1 Lahey Gall Duct Forceps 2 Allis Tissue Forceps 4 Babcock Tissue Forceps 4 Stainless Steel Ruler 1 Schnidt Tonsil Forceps 4 Debakey Tissue Forceps 1			
40.	<b>AUTO CLAVE</b> Fully automatic, programmable, microprocessor type. Touch screen colored display and integrated printer. Automatic motorized/pneumatic single door system. Time cycled, working pressure 32 psi. Safety interlock. Temperature & Pressure recorder. Chamber pressure indicator. Cycle indicator to determine the phase of sterilization cycle. Program/Cycle selection. Complete with standard accessories and removable shelves, capable of taking both packets and containers of all standard sizes. Chamber capacity 03 STU, rectangular shape. Chamber, jacket and doors made of AISI 316 L/Ti. The system complete with built-in water saving system, automatic heat exchanger and Air detector. Two loading / unloading trolleys and one loading carts compatible with system. UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided/ installed by the manufacturer. <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	20,000,000	01	20,000,000
41.	<b>PATIENT MONITOR</b> Modular bedside monitor for Adult / Neonates/ Peads. The monitor should take different Modules for display of vital sign monitor of Adult /Neonate/Peads. Operating Features and Characteristics: Non fade TFT, LCD color display Electro-surgical interference suppression/protection Defibrillator protection Freeze and cascade facility. Waveform traces speed; 25 & 50mm/sec. Screen size: min. 15" TFT, LCD color display. Capability to interface with LAN/WLAN for data transfer Parameters in module form: ECG: Numeric: heart rate. Waveform: Six Wave forms minimum, real time and freeze ECG trace NON-INVASIVE BLOOD PRESSURE (NIBP): Method: Oscillometric principle Numeric: systolic, diastolic and mean pressure Selectable auto inflate interval settings Rising cuff/continuous pressure display. TEMPERATURE: Numeric: temperature selectable in °C/°F. PULSE OXIMETRY: Numeric: 0-100% oxygen saturation measuring range. Waveform-plethysmograph pulse Reusable sensor electrode. Reusable cuff of all sizes ARRHYTHMIA ANALYSIS: Arrhythmia analysis and st analysis. RESPIRATION: Breath rate display and settable apnea alarms. Sweep speed; 6.25, 12.5 mm/sec. OTHER FEATURES:	450,000	01	450,000

	<p>Trend data; graphical and tabular  <b>ALARMS:</b>  High &amp; low (settable) on all parameters  Visual and audible indication of alarms.  <b>OPERATING REQUIREMENTS:</b>  Ac 220v/50HZ  Built-in rechargeable battery for at least 1 hour ac power failure at full parameter.  <b>Accessories:</b>  The system must be complete with all sensors, probes, cables or any other accessories required for measuring all the above selected parameters for neonates / peds and Adults.  Optional (If any):  Capnography (EtCO2) module  Cardiac Output Module,  EEG Module  Printer Two / Three Channel  Mounting stand preferably imported quality (S.S 304L) Local with lockable</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any two of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>			
42.	<p><b>CTG MACHINE</b>  Single, Twin or Triplet Ultrasound  Color LCD Display  Fetal monitor for Antepartum monitoring  FHR range: 50-200 bpm  Ultrasound transducer with marker and recorder for FHR  Sensitive frequency 2Mhz or less  Alarms: Low Bradycardia, High Tachycardia,  Strip chart recorder/ printer  Paper width size: 110 mm or more (The manufacturer shall ensure the availability of printing paper minimum for the next five years)  Paper/record Speed: 1,2,3 cm/min 220V/50Hz AC  <b>Accessories:</b></p> <ul style="list-style-type: none"> <li>• Mobile Imported Trolley</li> <li>• 20 paper roles</li> <li>• 20 bottles of gel</li> </ul> <p><b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	240,000	01	240,000
43.	<p><b>DENTAL UNIT WITH ALL ACCESSORIES</b>  Manually / Automatically adjustable headrest with movable head pad. The headrest extension can be pulled in or out depending on the patient's height. For upper jaw treatment. Right armrest Swiveling 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 each user profile  Chair movement through silent electric motors / 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 electric motors / 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 &amp; backrest positions / foot control. Pneumatic Foot switch for controls of hand pieces, chip air and spray.</p>	3,500,000	01	3,500,000

	<p><b>Dentist's Element</b> The control panel can be used for operating functions, preset and programmable positions .Hand piece holders. 5 hand piece positions including 3way syringe Hand piece priority system (if one Hand piece in use others will not operate)</p> <p><b>Equipped with:</b> 1 x 3-way syringe with autoclavable tip 3x fiber optic hand piece / self generating LED Light. Removable silicone tray pad Removable hand piece and tubing for cleaning and disinfection.</p> <p><b>Assistant's Element</b> 2 Swiveling assistant element mounted attached on water unit Control of function keys of entry / exit position, tumble filling, flushing the cuspidor and switch the light ON/OFF Number of hand piece positions including 3way syringe: 3/4</p> <p><b>Equipped with:</b> 1 x 3-way syringe with autoclave able tip 1 x High Volume Evacuation hose, autoclave able suction hand pieces with adjustment suction pressure 1 x saliva ejector hose , autoclave able suction hand piece with adjustment suction pressure</p> <p><b>Water Unit</b> Automatic Bowl Rinse function 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.</p> <p><b>LED Operating Light</b> 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</p> <p><b>02x Working Stools</b> 360° swiveling backrest and seat with manual hand release button, mounted on 5-castors</p> <p><b>A High Speed Air Turbine Hand Piece</b>  Fixed connection, Midwest type Ceramic ball bearings Push button chuck type Speed (Rpm): 3,50,000 - 400,000 Tipple Spray</p> <p><b>B Electric Scalar (Built-in)</b> Built-in Ultrasonic LED Scalar Flexible and easy to use with a selection of tips designed for use in specific treatment areas such as Scaling, periodontology, implantology, endodontics, retrograde root treatment, micropreparation, filling therapy. Powerful, efficient and gentle treatment Large selection of tips for every scaler Outstanding brightness in scalers with lights Sterilize-able hand piece and tips Drive: Piezoelectric Oscillation: Linear Oscillation frequency: 28-32 kHz Illumination: LED 4</p> <p><b>C Slow Speed Air Motor</b> Slow Speed Air Motor with Internal water spray and speed range of 25,000 -40,000 rpm or better-with straight and contra angle attachment</p> <p><b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
44.	<p><b>LARYNGOSCOPE SET CONVENTIONAL</b> Blade Sizes (0,1,2,3,4,5)</p>	6,000	01	6,000



	Protective Case Batteries Pair Bulb x 2			
45.	<b>LARYNGOSCOPE SET FIBER OPTIC</b> Blade Sizes (0,1,2,3,4,5) Protective Case Batteries Pair Bulb x 2	6,000	01	6,000
46.	<b>LED PHOTOTHERAPY UNIT</b> <ul style="list-style-type: none"> <li>• Overhead infant phototherapy unit; LED type</li> <li>• Spectral irradiance High irradiance mode: 45-50µW/cm2/nm</li> <li>• Low irradiance mode: 20-25µW/cm2/nm</li> <li>• Wavelength range between 430-465 nm</li> <li>• LED lamps life 40,000 – 50,000 hours</li> </ul> Maximum noise level 35 dB (A) <ul style="list-style-type: none"> <li>• Height adjustment 1200 mm to 1600 mm from light</li> <li>• Lamp unit dimensions 350 mm x 225 mm Approx• Lamp unit tilting position</li> <li>• Effective surface area 50 cm x 30 cm at 35 cm Approx , from the light source</li> <li>• Operating Voltage 220 V/ 50 Hz</li> </ul> <b>Accessories:</b> Eye protector pads Oxygen Hood <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	200,000	01	200,000
47.	<b>CPAP MACHINE</b> A device for delivery of continuous positive airway pressure (CPAP) through servo control mechanism for constant flow of oxygen/air to the patient at a preselected pressure Monitor Display to display the digital data. Airway pressure range to be user settable Controls to be easy to operate, numbers and displays to be clearly visible. Display of CPAP Pressure, Alarms Level, O2 concentration and Spontaneous breathing frequency. Alarms to alert user to” not in connection, Overpressure, Supply pressure of O2 and Air, O2 concentration, Upper and lower CPAP Pressure. CPAP range: 4–10 mbar FiO2 : 21-100% Provision of overpressure safety valve Humidifier with patient circuit (reuse able). External Air compressor to produce air for making air/ oxygen mixture. Noise level less than 50dB Trolley with lockable wheels Internal / External (UPS) battery backup of two hours with complete system functionality. 220V, 50Hz <b>ACCESSORIES:</b> Continuous flow with breathing circuits Continues flow breathing kits Flow masks <b>Optional:</b> OXYGEN HOOD <b>DETAILS</b> Design to minimize the risk of patient during therapy Infant respiratory hood designed for precise control of oxygenation	2,500,000	01	2,500,000

	<p>with consistent FiO2 distribution.  Transparent material: disinfect able  Size: 175 Lx175 Wx135 H mm approx.  Neck opening: 100 Wx40 H mm approx.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>			
48.	<p><b>PRIMARY CARE INCUBATOR</b></p> <ul style="list-style-type: none"> <li>• Primary Care Incubator Comprises Microprocessor controlled unit with 5 inch LCD display of set and measure temperature</li> <li>• Air temperature control</li> <li>• Temperature regulation range 28.C - 38 C +/- 1 C with uniform heat distribution over the bed surface</li> <li>• Replaceable bacteria filter for filtration of fresh air and oxygen</li> <li>• Bed surface 700 mm x 460 mm (approx.) with mattress</li> <li>• Bed surface can be Trendelenburg and anti Trendelenburg</li> <li>• Highly thermo stable acrylic glass or similar material double/Triple wall with four iris/elbow (sleeve) window and one side port</li> <li>• Humidification of the incubator air regulate able between 40-60 %</li> <li>• Oxygen flowmeter 0-15 liter/min</li> <li>• Noise Level: Equal or less than 45 dBA</li> <li>• Alarm signals safety</li> <li>• The visual and audible battery powered alarm for power failure</li> <li>• Visual &amp; Audible alarm for temperature excess (39 C)</li> <li>• A visual and audible alarm warns in case of fan failure</li> <li>• Test buttons to check the individual alarms or automatic test system</li> </ul> <p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• Complete with air temperature sensor</li> <li>• IV pole</li> <li>• Hand held pulse oximeter built in / separate</li> <li>• Guard rail</li> <li>• Restraint straps Optional</li> <li>• Water nebulizer</li> <li>• Oxygen distributor/manifold</li> <li>• Bronchial aspirators</li> <li>• Mattress</li> <li>• Digital weighing scale to weigh baby inside the incubator</li> <li>• Ultrasonic nebulizer &amp; Humidity Indicator</li> </ul> <p><b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	600,000	01	600,000
49.	<p><b>BILIRUBINO METER NON-INVASIVE TYPE</b></p> <ul style="list-style-type: none"> <li>• Type Noninvasive for measurement through forehead</li> <li>• Intended use Pre, during and post phototherapy</li> <li>• Gestational age 27-42 weeks</li> <li>• Post-natal age 0-20 days</li> <li>• Total serum bilirubin range 0-20 mg/dL</li> <li>• Accuracy (RMSE) +/- 1.5 mg/dL at 66% of the time or 1 sigma</li> <li>• Power 100-240 V AC, 50 Hz</li> <li>• Rechargeable battery 30 measurements on full charge</li> <li>• Complete with Desk top charger</li> </ul> <p><b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.</p>	370,000	01	370,000

	<p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
50.	<p><b>BILIRUBINO METER NON-INVASIVE TYPE</b></p> <ul style="list-style-type: none"> <li>• Use Measurement of total bilirubin by photometric method</li> <li>• Sample Centrifuged whole blood</li> <li>• Serum Minimum volume: 10 µl</li> <li>• Reading cuvette Haeparinizedhaematocrit capillary</li> <li>• Measure unit mg/ dl or µmol/ l</li> <li>• Reading time 3s approx.</li> <li>• Reading in Accuracy + 5%</li> <li>• Optical filter 455 and 575 nm / 461and 551 nm</li> <li>• Display Alpha numeric/ LCD</li> <li>• Printer Thermal printer, Integrated</li> <li>• Memory Memory for 90 results</li> <li>• Power requirements 220V, 50Hz</li> <li>• Complete with micro centrifuge for capillaries.</li> <li>• Capillaries tube – Pack of 100.</li> </ul> <p><b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	650,000	01	650,000
51.	<p><b>PAEDIATRICS ICU &amp; PAEDIATRICS EMERGENCY ELECTRONIC BEDS</b></p> <ul style="list-style-type: none"> <li>• Motorized Hospital bed suitable for use in Intensive Care Unit</li> <li>• Paeds Intensive Care bed with removable head and foot panels</li> <li>• Height adjustment with hand held control and nurse control panel</li> <li>• Trendelenburg / anti Trendelenburg position</li> <li>• Back raise</li> <li>• Knee raise</li> <li>• Radiolucent backrest</li> <li>• To facilitate use of the C arm / x-ray with cassette holder for imaging</li> <li>• Castors with bumpers</li> <li>• Central Locking system</li> <li>• Mattress with internal hinge and standard nylon proof cover</li> <li>• Safe working load 20-150 KG</li> </ul> <p><b>Accessories :</b></p> <ul style="list-style-type: none"> <li>• Collapsible Side Rails Pair</li> <li>• I.V Rod</li> </ul> <p><b>Optional :</b></p> <ul style="list-style-type: none"> <li>• Bedside Cabinet</li> <li>• Over Bed Table</li> </ul> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	400,000	01	400,000
52.	<p><b>STAND LIGHT (SPOT)</b>  Light source: LED  Configuration on casters  flexible  Intensity at 1 m: 12,000 lx  Intensity at 0.5 m: 42,000 lx</p>	20,000	01	20,000

	<p>Power: 10 W</p> <p><b>OPTIONAL:</b> if any, should be quoted separately</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
53.	<p><b>BP Apparatus with Stands Mercury type</b></p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p>	5,000	01	5,000
54.	<p><b>BABY WEIGHT MACHINE Digital</b></p> <p><b>OPTIONAL:</b> if any, should be quoted separately</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	2,000	01	2,000
55.	<p><b>Baby Warmer Machine</b></p> <p>Microprocessor controlled heating system. Mobile with antistatic castor, lockable, bumper guard.</p> <ul style="list-style-type: none"> <li>• Manual heat output control : 0% to 100%</li> <li>• Skin and Manual temp control settings.</li> <li>• Display range of temperature: LED / LCD</li> <li>• Heating power/ source : 500 W Quartz/Ceramic</li> <li>• Selection for operating modes: Skin or Manual</li> <li>• Pivot arm technology for heating. Head can be moved in both directions allowing XRay procedure without moving the baby.</li> <li>• Integrated observation lamp</li> <li>• Integrated baby bed 700 x 450 mm approx. with secured plexi glass side panels, foldable down, with grid for X-ray.</li> <li>• Manual bed inclination.</li> <li>• Audio and visual alarms for Power failure, Skin Temperature deviations, High Temperature, Skin probe defective/ unplugged.</li> <li>• Lockable antistatic castors</li> </ul> <p><b>Accessories :</b></p> <ul style="list-style-type: none"> <li>• IV pole,</li> <li>• Skin probe (reusable)</li> </ul> <p><b>OPTIONAL:</b> if any, should be quoted separately</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	200,000	01	200,000
56.	<p><b>SYRINGE PUMP</b></p> <p>Syringe pump for fluid administration. Flow Rates: 0.1 - 400 ml/hr. (Approx) Digital display of set parameters. Universal Syringe acceptance capability for disposable, Plastic, Size, 10, 20, 50, 60 ml. Drive Accuracy. ±3% Display of drug name, Infusion rate, infused volume and volume to be infused. Automatic adaptation of controls according to syringe /infusion set. Quick freed/rapid infusion facility. Rechargeable battery and mains operated 220V, 50Hz. Safety alarm audible and acoustic for occlusion end of infusion, low battery. Battery back up 3 to 4 Hours.</p>	440,000	01	440,000

	<p>Should be compatible with docking station. <b>ACCESSORIES:</b>  TCI / Equivalent Technique  Docking station of two/four/six/eight or more.  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>			
57.	<p><b>INFUSION PUMP</b>  Operates on any brand of infusion set.  Automatic control of infusion rate independent of venous or arterial pressure  Solution container height and solution viscosity.  Bolus function automatic.  Air bubble detector.  Automatic pressure release after occlusion.  Automatic switchover to keep-vein-open (KVO) rate of 1.0 ml/hr (or previous rate, whichever is less).  Compatible with commonly available Infusion sets.  Portable operation from self-contained rechargeable battery with 03 hours or more operation time.  <b>ON/OFF:</b>  Light indicates main or battery operation  Detects a "no flow" situation i.e. empty container DISPLAY:  LED/LCD digital display which indicates flow rate  Infused volume  Volume to be infused  Volume balance  Infusion time  Remaining time  Battery capacity  Occlusion level  Medication name  <b>INFUSION RATE</b>  0.1-999.9 ml/hr in 1 ml increments  <b>INFUSION TIME:</b>  99 to 95 hours  <b>AUTOMATIC RATE CALCULATION:</b>  On total volume + time  <b>VOLUME LIMIT SELECTION:</b>  From 1 -999 ml  Accuracy of above parameters +/- 5%  <b>KVO RATE:</b>  1- 3.0ml/hr  <b>AUDIBLE AND VISUAL ALARMS:</b>  Activated by: Empty Container  Occlusion  Low Battery  Open Door  Air-in-Line  Internal Malfunction  End of infusion.  <b>BATTERY:</b>  Rechargeable maintenance free dry batteries with 3 hours or more operation when fully charged.  <b>SAFETY FEATURES:</b> Door locks while functioning  <b>OPTIONAL:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	440,000	01	440,000

58.	<b>HAND HELD DOPPLER</b> Vascular Probes 4, 5 and 8. MHz Main unit should have LCD Display of waveform and numerical data <b>OPTIONAL:</b> if any, should be quoted separately <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.	40,000	01	40,000
59.	<b>LIPOSUCTION MACHINE</b> All Standard accessories <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	2,050,000	01	2,050,000
60.	<b>LIPOSUCTION CANNULAS</b>  <b>A. Infiltration Luer Lock Cannula Set Liposuction Fat Transfer 5 PIECES</b>  1 Piece Luer Lock Infiltration Cannula 2mm x 15cm Straight 1 Piece Luer Lock Infiltration Cannula 2mm x 15cm Curved 1 Piece Luer Lock Infiltration Cannula 2mm x 12cm Curved 1 Piece Luer Lock Infiltration Cannula 2mm x 15cm Double Curved 1 Piece Luer Lock Titanium Coated handle  <b>B. Infiltration Luer Lock Cannula Set Liposuction Fat Transfer 5 PIECES</b>  1 Piece Luer Lock Infiltration Cannula 4mm x 15cm Straight 1 Piece Luer Lock Infiltration Cannula 3mm x 15cm Curved 1 Piece Luer Lock Infiltration Cannula 4mm x 25cm Curved 1 Piece Luer Lock Infiltration Cannula 3mm x 25cm Double Curved 1 Piece Luer Lock Titanium Coated handle <b>C. Grade Luer Lock Liposuction Cannula Set With Adapter Fat Transfer 5 PIECES</b>  1 Piece Luer Lock Cannula 2mm X 7cm 1 Piece Luer Lock Cannula 2mm X 10cm 1 Piece Luer Lock Cannula 2mm X 15cm 1 Piece Luer Lock Cannula 3mm X 15cm 1 Piece Luer Lock Adapter <b>D. 7 Piece Luer Lock Cannula Liposuction Set Fat Transfer Plastic Surgery</b>  1 Piece Luer Lock Cannula Single Hole 1mm X 7cm 1 Piece Luer Lock Cannula Single Hole 2mm X 12cm 1 Piece Luer Lock Cannula Single Hole 2mm X 12cm	600,000	01	600,000

1 Piece Luer Lock Cannula Multi Hole 2mm X 15cm

1 Piece Luer Lock Cannula Mercedes 3mm X 20cm

1 Piece Luer Lock Cannula Three diagonal Hole 3mm X 20cm

1 Piece Luer Lock Cannula V-Shape 4mm X 15cm

**E. Liposuction Cannula Set Fat Transfer Plastic Surgery 11  
PIECES**

Liposuction Cannula Set ( 11 Piece Set With Handles ) (Overall  
Length 42cm - 16.5")

(Cannula Working Length 10" - 25cm)

1 Piece Mercedes Cannula 4mm

1 Piece Triport Accelerator Cannula 4mm

1 Piece One Center Two Lateral Hole Cannula 4mm

1 Piece Standard Hole Cannula 4mm

1 Piece Two Center Hole One Lateral Hole Cannula 4mm

1 Piece Three Diagonal Hole Cannula 4mm

1 Piece Multi-Hole Cannula 4mm

1 Piece V Dissector Cannula 4mm

1 Piece Multi-Hole Cannula 4mm

**F. Infiltration Liposuction Cannula Set Abdomen  
Saddlebag Fat Transfer 7 PIECES**

1 Piece - Multi-hole Cannula 3mm X 30cm ( Overall Length 35cm)

1 Piece - Mercedes Cannula 3mm X 30cm ( Overall Length 35cm)

1 Piece - Mercedes Cannula 4mm X 30cm ( Overall Length 35cm)

1 Piece - Three Diagonal Hole Cannula 3mm X 30cm ( Overall  
Length 35cm)

1 Piece - Three Port Cannula 3mm X 30cm ( Overall Length 35cm)

1 Piece - Handle With Interrupting Hole ( Threaded Fitting

1 Piece - Adapter With Luer Lock Connection

**G. Facial Filling Liposuction Leur Lock Cannula Syringe  
Transplantation 16 PIECES**

1 Piece Luer Lock Cannula 1.0mm X 7cm

\*1 Piece Luer Lock Cannula 1.0mm X 7cm

\*1 Piece Luer Lock Cannula 1.5mm X 7cm

\*1 Piece Luer Lock Cannula 2.0mm X 10cm

\*1 Piece Luer Lock Cannula 2.0mm X 15cm

- \*1 Piece Luer Lock Cannula 2.0mm X 15cm
- \*1 Piece Luer Lock Cannula 2.0mm X 15cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Liposuction Aspirator 20mL Fat Transfer Harvesting Injection Syringe
- \*2 Piece Luer Lock Adapter 2.0mm
- \*4 Piece Luer Lock Adapter/Connector
- H. Luer Lock Cannula Liposuction 13 Piece Set Plastic Cosmetic Surgery 13 PIECES**
- \*1 Piece Luer Lock Cannula 1.0mm X 10cm
- \*1 Piece Luer Lock Cannula 1.5mm X 15cm
- \*1 Piece Luer Lock Cannula 1.5mm X 15cm
- \*1 Piece Luer Lock Cannula 1.5mm X 15cm
- \*1 Piece Luer Lock Cannula 1.5mm X 15cm
- \*1 Piece Luer Lock Cannula 2.0mm X 18cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Luer Lock Cannula 2.5mm X 20cm
- \*1 Piece Luer Lock Cannula 3mm X 25cm
- \*1 Piece Luer Lock Cannula 3mm X 25cm
- \*1 Piece Luer Lock Cannula 3mm X 25cm
- I. Micro Luer Lock Cannula Liposuction Set Adapter Facial Fat Transfer 8 PIECES**
- \*1 Piece Luer Lock Cannula 1mm X 7cm
- \*1 Piece Luer Lock Cannula 1.0mm X 10cm
- \*1 Piece Luer Lock Cannula 1.5mm X 10cm
- \*1 Piece Luer Lock Cannula 2mm X 12cm
- \*1 Piece Luer Lock Cannula 1.5mm X 15cm
- \*1 Piece Luer Lock Cannula 2.0mm X 18cm
- \*1 Piece Luer Lock Adapter/Connector 2mm
- \*1 Piece Luer Lock Adapter
- J. Liposuction Facial Fat Graft Transplantation Cannula Set of 27 Fat Transfer**
- 1. 1.5mm / 120mm Cannula
- 2. 2.0mm / 200mm Cannula
- 3. 2.5mm / 200mm Cannula
- 4. 3.0mm / 275mm Cannula
- 5. 3.0mm / 300mm Cannula
- 6. 2.5mm / 300mm Cannula
- 7. 2.0mm / 250mm Cannula
- 8. 1.5mm / 150mm Cannula
- 9. 1.5mm / 120mm Cannula
- 10. 1.8mm / 150mm Cannula
- 11. 1.0mm / 120mm Cannula
- 12. 1.2mm / 80mm Cannula
- 13. 1.2mm / 80mm Cannula
- No 14/19: Metal syringe cap/stopper---6 pieces
- No 20~22: Fat connector
- No 23: Fat Stick
- No 24: Skin breaker
- No 25: 20 ml syringe liposuction
- No 26: Handle
- No 27: Pipe
- \*1 Piece Inner Luer Lock Cannula 3mm X 15cm
- \*1 Piece Inner Luer Lock Cannula 2mm X 15cm
- \*1 Piece Inner Luer Lock Cannula 2mm X 10cm
- \*1 Piece Inner Luer Lock Cannula 2mm X 7cm
- \*1 Piece stop lock 10 CC



	*1 Piece Stop Lock 20 CC *1 Piece Stop lock 30 CC 1 set Nano Fat set complete 1 handle 7 stopper for syringe 1 pcs syringe barb adapter 5 pcs cannula 25cm *4mm 7 pcs Silver Anodyzedluer lock Handle 1 pcs .Tommy hub cannula 20cm * 3mm 1 pcs .Tommy hub cannula 25cm * 4mm 1 pcs. Tommy hub cannula 25cm * 4mm 2 pcs inner luer lock cannula 15cm *2.5mm 2 pcs inner luer lock cannula 7cm *2mm 2 pcs inner luer lock cannula 10cm *2mm 1 pcs Tommy to luer lock syringe 1 pcs liposuction cannula handle			
61.	LOUPES 3.5	100,000	01	100,000
62.	<b>Ultrasonic Pachymeter</b> Automatic Report Generation After Turn on ready to take measurements. Accuracy & Reproducibility. Obtains and stores measurements in less than 2 seconds. Personalized Configuration Memory. Durable Portability. Probe is detachable for easy cleaning and replacement Mapping Mode for obtaining & biased corneal mapped measurements. Standard Unit Range <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	1,500,000	01	1,500,000
63.	<b>Slitlamp Microscope with Camera with Applanation tonometer</b> Illumination: Led Filter: All Microscope: Stereo Angle 13° Stereo Angle 4.5° Inclined Eyepiece Magnification: 6.3x 10x 16x 25x 40x Imaging: Fundus Module Dslr Camera Connector Photo Slit Lamp W/Integrated Flash <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	1,600,000	01	1,600,000
64.	LOUPES 2.5	100,000	01	100,000

65.	<b>PNEUMATIC TOURNIQUET PEDIATRIC</b> <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Any <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	100,000	01	100,000
66.	<b>PNEUMATIC TOURNIQUET ADULT</b> <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Any <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	100,000	01	100,000
67.	<b>HAND SURGERY INSTRUMENTS</b> 1. Instrument Case 2. Charnley Suture Forceps, length 180mm, 1+2 teeth 3. Charnley Suture Forceps, length 125 mm, 1+2 teeth 4. Volkman Curette, 06 different sizes from 4.4mm to 14.5 mm 5. Stanley Boyd Bone Curette, length 130mm 6. Kern mini bone holding forceps 7. Verbrugge Bone holding Forceps, length 175mm 8. Lewin Bone Holding Forceps, length 135mm 9. Lewin Bone Holding Forceps, length 95 mm 10. Lewin Bone Holding Forceps, length 205 mm 11. Liston Bone Cutting Forceps, length 170mm, straight and curved 12. Stamm Bone Cutting Forceps, length 150mm 13. Rongeur, 150mm 14. Extraction pliers, length 180mm 15. Wire cutter, 180mm 16. Osteotomes, 06 different sizes, from 04mm to 15mm 17. Tendon Retriever, length 203mm 18. Tendon Braiding Forceps 150 mm, straight 19. Tendon Braiding Forceps, 150mm, curved 20. Stack Finger Splints, different sizes, set of 06 in each 06 sizes 21. Harrison Bone Holding Forceps, 190mm 22. Tempest/McFarlane hand operating table 23. Lead Hand large, 372 -310mm 24. Lead Hand small, 276-162mm 25. Tenolysis Knife 26. Tendon hook 27. Rubber Band Hooks 28. Tenolysis Double Ended Pulley Retractor 29. Dynamic Compression Bone Clamp for transverse fractures 30. Percutaneous Bone Clamp with k-wire guide	200,000	01	200,000
68.	<b>RHINOPLASTY INSTRUMENTS SET</b> Surgical Handle, length 14 cm, for Blades Blade, size. 15, non-sterile, package of 100 Blade, size 11, non-sterile, package of 100 Miniature Blade, Size . 64, round, sterile, package of 25 Nasal Knife, curved, roundly tipped blade, length 14 cm Nasal Knife, rounded edge, length 14 cm Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm Scissors, extra delicate, curved, length 10 cm Scissors, curved, length 10.5 cm Scissors, curved, length 14 cm Scissors, angled, length 10 cm Dorsal Scissors, angular, serrated blades, slender, working length 6.5 cm Chisel, flat, graduated, straight, width 4 mm, length 18.5 cm Chisel, flat, graduated, straight, width 7 mm, length 18.5 cm Chisel flat, graduated, straight, width 9 mm, length 18.5 cm Crossbar Osteotome, graduated, double-edged grinding, straight, width 6 mm, length 18.5 cm Crossbar Chisel, graduated, single-edged grinding, curved, width 6 mm, length 18.5 cm Chisel, straight, with rounded guard, straight, length 18 cm	200000	01	200000

<p>Chisel, slightly curved, with rounded guard on left side, length 18 cm  Chisel slightly curved, with rounded guard right side, length 18 cm  Retractor, narrow (standard model), length 14 cm  Knife Guide and Retractor, one side with two pronged nostril retractor, other side with flat retractor, with duct for guide of cut, length 19 cm  Knife Guide and Retractor, made of wire, one side with nostril retractor, other side with flat retractor, length 18 cm  Retractor, two prongs, sharp prong on right, blunt prong on left, width 10 mm, length 14.5 cm  Retractor, two prongs, sharp prong on left, blunt prong on right, width 10 mm, length 14.5 cm  Hook, one prong, large curve, length 16.5 cm  AUFRIEHT Nasal Retractor, width of retractor blade 8 mm, length of retractor blade 40 mm, length 16.5 cm  Suction Raspatory, with stylet, length 19.5 cm  MASING Elevator, double-ended, graduated, sharp and blunt, length 22.5Cm  JOSEPH-MASING Elevator, slightly curved, bayonet, 21 cm.  MCKENTY Raspatory, width 5 mm, length 14.5 cm  COTTLE Raspatory, double-ended, for tunneling, length 22.5 cm  COTTLE Lower Lateral Forceps, bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm  ADSON-BROWN Tissue Forceps, atraumatic, fine side grasping teeth, length 12 cm  Nasal Rasp, double-ended, fine, length 21.5 cm  Nasal Rasp, double-ended, coarse (rasp), length 21.5 cm  WALSHAM Septum Straightening Forceps, dismantling, length 21 cm  COTTLE Metal Mallet, length 18 cm  JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, right, length 18.5 cm  JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, left, length 18.5 cm  COTTLE Nasal Speculum, blade length 55 mm, length 13 cm  KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 75 mm, length 13.5 cm  KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 90 mm, length 13.5 cm  BLAKESLEY Nasal Forceps, straight, size 1, working length 11 cm  BLAKESLEY Nasal Forceps, straight, size 3, working length 11 cm  WATSON-WILLIAMS Nasal Forceps, straight, with serrated jaws, working length 11 cm  COTTLE Bone Crusher, with clip, crusher size 5 x 1.5 cm  MASING Needle Holder, ear forceps shape, intranasal, smooth jaws, working length 8 cm  NEIVERT-MASING Needle Holder, thumb ring upturned, one jaw with groove, length 13 cm  Needle Holder, extra delicate, slight spring action, length 17 cm  FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 7 Fr./2 mm, working length 10 cm, total length 17.5 cm  FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 9 Fr./3 mm, working length 10 cm, total length 17.5 cm  Suction Tube, curved, outer diameter 5 mm, length 16.5 cm  COTTLE Columella Clamp, length 11 cm  KAZANJIAN Forceps, length 20 cm  JANSEN-MIDDLETON Septum Forceps, angular, through-cutting, working length 10 cm</p> <p><b>Accessories:</b>  Sterilization system complete consisting of standard set or as follows.  Container Bottom  Container Lid  Wire Basket  Silicone mat</p>			
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	Wrapping Drapes			
69.	<b>CLEFT PALATE INSTUMENTS SET WITH DINGMAN</b> Dingman Mouth Gag Blades Set tongue blades Set adjustable upper blades & cheek retractors grooved endotracheal type tongue blades	200000	01	200000
70.	<b>HIGH ILLUMINATION LED HEAD LIGHT(RECHARGEABLE)</b> LED Headlight white light, lightweight model, control unit and rechargeable battery box on headband, charging unit, illumination area adjustable in diameter with 40 cm working distance. <b>Including:</b> LED Headlight Battery Box Charger USB Headband <b>including:</b> Mains cord <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Any <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	60,000	01	60,000
71.	<b>FESS ( ENDOSCOPIES SINUS SURGERY) COMPLETE SURGICAL SET WITH HIGH DEFINITION (HD) CAMERA, LIGHT SOURCE, RECORDING SYSTEM AND TROLLEY HAND INSTRUMENT SET FOR FESS</b> Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5cm to 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red Lateral Telescope 70°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, Fiber optic light transmission incorporated, Color code: yellow Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, Fiber optic light transmission incorporated, Color code: black Straight Forward Telescope 0°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated Straight Forward Telescope 30°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated Straight Forward Telescope 70°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated <b>Shaver System For FESS</b> ENT motor system with display, two motor outputs, integrated	1500,000	01	1500,000

<p>irrigation pump and integrated module,  <b>Including:</b>  ENT motor system  Mains Cord  Irrigator Rod  Single / Two-Pedal Footswitch, two-stage, with proportional function  Silicone Tubing Set, for irrigation, sterilizable  Clip Set, for use with Tubing Set  Connecting Cable, length 100 cm  Single Use Tubing Set, sterile, package of 3  Shaver Hand piece, for use ENT oscillation mode range from 3000 to 10000  Suction Shaver Blade with integrated irrigation for Hand piece, straight, Autoclavable, double serrated cutting edge, rectangular cutting window, diameter 4 mm, length 12 cm, color code: blue-yellow for use with Hand pieces  Suction Shaver Blade with integrated irrigation for Hand piece straight, Autoclavable, concave cutting edge, oval cutting window, diameter 4 mm, length 12 cm, color code: blue-green, for use with Hand pieces  Suction Shaver Blade with integrated irrigation for Hand piece straight, Autoclavable, serrated cutting edge, rectangular cutting window, diameter 3 mm, length 12 cm, color code: blue- red for use with Hand pieces  Suction Shaver Blade with integrated irrigation for Hand piece angled, Autoclavable, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, length 12 cm for use with Hand pieces  Nasal Forceps, straight, with cleaning connector, working length 13 cm  Nasal Forceps, 45° upturned, with cleaning connector, working length 13 cm  Nasal Forceps, straight, through-cutting, tissue-sparing, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm  Antrum Grasping Forceps, jaws curved downwards, fixed jaw curved, movable jaw backward opening 120°, with cleaning connector, working length 10 cm  Antrum Grasping Forceps, jaws curved to right, fixed jaw curved, movable jaw backward opening with cleaning connector, working length 10 cm  Nasal Scissors, straight, with cleaning connector, working length 13 cm  Bipolar Suction Forceps, 45° upturned, with suction channel, for bipolar coagulation in para nasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords  Bipolar High Frequency Cord, for Bipolar Suction Forceps and Bipolar Forceps length 450 cm  Punch, circular cutting, for sphenoid, ethmoid and choanal atresia, diameter 3.5 mm, with cleaning connector, working length 18 cm, including Cleaning Tool  KAMEL Punch, 45° upturned, punch head diameter 4.5 mm, circular cutting, with cleaning connector, working length 13 cm  Frontal Ostium Seeker, double ended, both sides curved, tips bent right and left, length 22 cm  Antrum Curette, oblong, small size, length 19 cm  Antrum Cannula, LUER-Lock/Equivalent, short curved, outer diameter 2.5 mm, length 12.5 cm  Suction Tube, with mandrel and cut-off hole, with distance marking at 5 - 9 cm, 9 Fr., working length 10 cm  Sickle Knife, pointed, length 19 cm</p>			
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Elevator, double-ended, semi sharp and blunt, length 20 cm

**Endo Vision System for FESS**

**High Definition CCD/CMOS Camera System**

HD CCU Control Unit (CCU), max. Resolution 1920 x 1080 Pixel  
Separate Image Capturing Module: should have still images and video recording facilities

Integrated / Separate Medical Graded Video Recorder with storage capacity of 2 TB or more

**Consisting of:**

Full HD Image Capturing system

Mains Cord

DVI connecting cable, length 300 cm

2x Recording control cables

Print out Facility

USB or Hard Drive for recording purpose

Camera head, CCD/CMOS HD Camera Head max. resolution

1920 x 1080 pixel Progressive Scan, 50Hz/60Hz with 2 freely programmable Camera Head buttons, with integrated Par focal-Zoom

focal length f = 15 - 31mm (2x) For use with color system PAL and NTSC.

High-Performance LED Cold Light Fountain with one light outlet

**Including:**

Mains cord

Fiber Optic Light Cable, with straight connector, diameter 4.8 mm, length 300 cm

21" or more LCD/LED Medical Graded Monitor

**including:**

External 24 VDC Power Supply Mains Cord

Trolley Powder Coated Rides on 4 Antistatics, Dual Wheels,

All under mention Items quoted should be a same brand separately and

compatible for all following unit:

1) Basic Hands Instruments for FESS

2) Shaver system

3) Endovision system

**Optional items**

DCR Intranasal Drill to be use with shaver system

DCR Burrs

**Accessories:**

Sterilization system complete consisting of standard accessories or following.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

**Optional items**

DCR Intranasal Drill to be use with shaver system

DCR Burrs

**Warranty:** Comprehensive warranty of five (05) years.

**Country of Manufacturer:** USA, Europe, UK, Japan.

**Quality Certificate:** Compliance of quality certificate from FDA, CE/MDD & MHLW

(any one of these) is required.

**Mode:** CFR/CPT and DDP (the bidder is required to quote prices on both modes

i.e. CFR/CPT and DDP)

72.	<p><b>DIRECT LARYNGOSCOPY SET WITH BUILT-IN ENDOSCOPY AND OPTICS (Adult &amp; Pediatric)</b>  Laryngoscope Adult Size Length 17 to 18 cm with Telescope guide tube integrated inside the lumen with integrated 70/90 Dig Telescope Length 18cm Dia 4mm autoclave able, fiber optic light transmission incorporated,  (KLEINSASSER) Operating Laryngoscope for adults, large, length 17 to 18 cm  KLEINSASSER Operating Laryngoscope, for adults, medium, length 17 to 18 cm (for anterior commissure)  (KLEINSASSER) Operating Laryngoscope for children, small, length 15 cm  (KLEINSASSER) Operating Laryngoscope for infants, small, length 13 cm  Clip for proximal illumination  Fiber Optic Light Carrier, for distal illumination, working length 14 cm, for use with  Laryngoscopes and Diverticulo scopes  Fiber Optic Light Carrier for distal illumination, working length 7.5 cm, for use with  Laryngoscopes  (KLEINSASSER) / Laser Laryngoscope modified for CO2-LASER surgery, for children, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 15 cm  Laryngoscope Holder and Chest Support, Including:  Laryngoscope Holder, with adjustment wheel / chest support for adult  Support Rod, movable, with metal ring, diameter 9 cm, length 34 cm  (KLEINSASSER) Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm  (KLEINSASSER) Forceps, curved upwards, with 2 mm cupped jaws, with cleaning connector, working length 23cm  (KLEINSASSER) Forceps, curved to right, with 2 mm cupped jaws, with cleaning connector, working length 23 cm  (KLEINSASSER )Forceps, curved to left, with 2 mm cupped jaws, with cleaning connector, working length 23 cm  (KLEINSASSER) Miniature Forceps, straight, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm  (KLEINSASSER) Miniature Forceps, curved upwards, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm  (KLEINSASSER) Miniature Forceps, curved to right, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm  (KLEINSASSER) Miniature Grasping Forceps, straight, serrated, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm  (KLEINSASSER) Miniature Grasping Forceps, curved to right, serrated, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm  (KLEINSASSER) Scissors, straight, with cleaning connector, working length 23 cm  Micro Forceps, straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm</p>	5,00000/-	01	5,00000/-
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	<p>Micro Forceps, curved upwards, with 1 mm cupped jaws, with cleaning connector, working length 20 cm</p> <p>Spoon Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm, with suction channel to remove LASER vapors (KLEINSASSER) Grasping Forceps, straight, serrated, with cleaning connector, working length 18 cm</p> <p>Micro Grasping Forceps, curved upwards to right, serrated, with triangular fenestrated jaws, with cleaning connector, working length 18 cm</p> <p>(LINDHOLM) Forceps, for atraumatic retraction of true vocal cords and false vocal cords, distal end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 24 cm</p> <p>Sickle Knife curved, delicate, 3 to 1 mm tapered shaft, total length 23 cm</p> <p>(KLEINSASSER) Suction Tube, outer diameter 3 mm, working length 23 cm</p> <p>(KLEINSASSER) Suction and Coagulation Cannula, outer diameter 3 mm, working length 26 cm, for use with unipolar High Frequency Cords</p> <p>Unipolar High Frequency Cord, with 5 mm plug, length 300 cm,</p> <p>Bipolar Forceps, jaws upturned, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords</p> <p>Bipolar High Frequency Cord, with two 2 mm cable sockets for Bipolar Suction Forceps and Bipolar Forceps length 450 cm</p> <p>High-Performance LED Cold Light Fountain, <b>including:</b></p> <p>Mains cord</p> <p>Fiber Optic Light Cable, with straight connector, diameter 3.5 mm or better, length 180 cm</p> <p><b>Accessories:</b></p> <p>Sterilization system complete consisting of standard set or as follows.</p> <p>Container Bottom</p> <p>Container Lid</p> <p>Wire Basket</p> <p>Silicone mat</p> <p>Wrapping Drapes</p> <p><b>Optional:</b> If any, should be quoted separately</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.</p> <p><b>Country of Manufacturer:</b> USA, Europe, UK, Japan.</p> <p><b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p> <p><b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
73.	<p><b>RIGID ESOPHAGOSCOPE SET WITH BUILT-IN ENDOSCOPE AND OPTICS (Adult &amp; Pediatric)</b></p> <p>Oval Operating Esophagoscope. Length: 50 cm. Size: 12 x 16</p> <p>Esophagoscope, oval, for distal and proximal illumination, length 40 cm, O.D. 12 mm x 16 mm, for use with fiber optic light carrier and/or prismatic light deflector</p> <p>Oval Operating Esophagoscope. Length: 30 cm. Size: 8 x 12</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 50 cm</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 40 cm</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 30 cm</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, autoclave able Handle</p> <p>Straight Forward Tele- scope 0°, diameter 5. 5 mm, length 53 cm, autoclave able. Fiber optic light transmission Incorporated. Color code: green</p>	5,00000/-	01	5,00000/-



	<p>Esophagoscope Tube, size 11, outer diameter 12 mm, for use with fiber optic light transmission working length 50 Cm  Tube-insert, with instrument channel and anti-Fog-device, for use with esophagoscope-tube and straight forward Telescope  Window for Esophagoscope  Rubber insufflation bulb, with detachable tube, with LUER-lock/equivalent connector,  <b>Including:</b>  Rubber bulb  Rubber tube  Optical Forceps, for peanuts, big and soft foreign bodies, double-action jaws, working length 55 cm  Optical Forceps, alligator, for hard foreign bodies with large jaws, double-action jaws, working length 55 cm  Telescope Guide, for use with esophagoscopes, length 50 cm  Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm working length 55 cm  Forceps, for peanuts and soft foreign bodies, double action jaws, sheath diameter 2.5mm, working length 55cm  Rigid Suction Tube, outer diameter 4 mm, working length 55 cm  Cotton Carrier, working length 55 cm.  Sponge Holder, spring handle, working length 55 cm  Foreign Body Basket, with ring handle, working length 50 cm  LED, High-Performance LED Cold Light Fountain with one light outlet,  <b>including:</b>  Mains cord  Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm  <b>Accessories:</b>  Sterilization system complete consisting of standard set or as follows.  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes</p> <p><b>Optional:</b> If any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
74.	<p><b>MASTOIDECTOMY SURGICAL INSTRUMENTS SET</b>  Periost Knife. 13 cm. Elevator Version  Surgical Handle, No. 3, length 12.5 cm, for blades  Blade No. 10, sterile, package of 100  Blade No. 11, sterile, package of 100  Blade No. 15, sterile, package of 100  HARTMANN Nasal Speculum, for adults, length 13 cm  WEITLANER Retractor, 3x4 prongs, sharp, length 16 cm  WEITLANER Retractor, 3x4 prongs, sharp, length 13 cm  WULLSTEIN Retractor, 11 cm  VOLKMANN Retractor, length 21 cm, 3 prongs, sharp  LANGENBECK Retractor, length 21.5 cm, size 33 mm x 14 mm  FARABEUZ Elevator, 18.0 cm, 11 mm wide.  LEMPERT Elevator, curved, 7 mm wide, length 18 cm  FREER Elevator, double-ended, length 20 cm.  Mastoid Gouge, 14 cm 3 mm wide</p>	4,00000/-	01	4,00000/-

Mastoid Gouge, 14 cm, 5 mm wide  
 Mastoid Gouge, 14 cm, 7 mm wide  
 Mastoid Gouge, 14 cm, 9 mm wide  
 Mastoid Chisel, 14 cm 3 mm wide  
 Mastoid Chisel, 14 cm 5 mm wide  
 Mastoid Chisel, 14 cm, 7 mm wide  
 COTTLE Mallet, length 18 cm  
 KERRISON Rongeur, working length 11 cm, size 2  
 JANSEN Rongeur, bayonet, 17cm  
 HOUSE Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm  
 LEMPert Mastoid Curette. 21 cm, size 0000  
 SPRATT Mastoid Curette. 16.5 cm, size 0.  
 SPRATT Mastoid Curette. 17 cm, size 1.  
 HALSTEAD Mosquito Forceps, 12.5 cm, curved.  
 ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm  
 ROCHESTER-PEAN Haemostatic Forceps, curved, length 14 cm  
 OCHSNER-KOCHER Haemostatic Forceps, 1 x 2 teeth, straight, length 14 cm  
 ALLIS Forceps, 4 x 5 teeth, length 15 cm  
 ADSON Dressing Forceps, serrated, 12 cm.  
 ADSON Tissue Forceps, 1 x 2 teeth 12 cm.  
 ADSON-BROWN Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm  
 Dressing Forceps, length 14.5 cm, standard size  
 Dressing Forceps, length 14.5 cm, delicate size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, standard size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, medium size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, delicate size  
 JOBSON-HORNE Probe. With serrated and ringend, 18 cm  
 Seeker, ball end angled 45°, 15.5 cm, size 3.  
 Scissors, delicate, 10 cm, curved  
 STEVENS Scissors, curved, 10.5 cm  
 JOSEPH Scissors, 14 cm, curved.  
 METZENBAUM Scissors, curved, 14 cm.  
 Scissors, straight, length 14.5 cm, blunt/sharp  
 MAYO Scissors, curved, length 15 cm  
 BARON Suction Tube, with cut-off hole, LUER, working length 7.5 cm O.D. 1 mm  
 BARON Suction Tube with cut-off hole, LUER, working length 7.5 cm, O.D. 1.7 mm  
 BARON Suction Tube, with cut-off hole, LUER, working length 7.5 cm, O.D 2.3 mm  
 FERGUSON Suction Tube, with cut- off hole and stylet, LUER, working length 11 cm, 6 Fr.  
 FERGUSON Suction Tube, with cut-off hole and stylet, LUER, workinglength 11 cm, 9 Fr.  
 FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 12 Fr.  
 ZOELLNER Suction Tube, LUER-Lock, 15 cm, O.D. 2.5 mm.  
 Suction Tip for , 4 cm, O.D. 0.5 mm.  
 Suction Tip for , 4 cm, O.D. 0.7 mm.  
 Dressing Forceps, length 14.5 cm, delicate size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, standard size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, medium size  
 Tissue Forceps, 1 x 2 teeth, length 14.5 cm, delicate size  
 JOBSON-HORNE Probe. With serrated and ringend, 18 cm  
 Seeker, ball end angled 45°, 15.5 cm, size 3.  
 Scissors, delicate, 10 cm, curved  
 STEVENS Scissors, curved, 10.5 cm  
 JOSEPH Scissors, 14 cm, curved.  
 METZENBAUM Scissors, curved, 14 cm.  
 Scissors, straight, length 14.5 cm, blunt/sharp  
 MAYO Scissors, curved, length 15 cm  
 BARON Suction Tube, with cut-off hole, LUER, working length 7.5 cm O.D. 1 mm  
 BARON Suction Tube with cut-off hole, LUER, working length 7.5 cm, O.D. 1.7 mm  
 BARON Suction Tube, with cut-off hole, LUER, working length 7.5

	<p>cm, O.D 2.3 mm          FERGUSON Suction Tube, with cut- off hole and stylet, LUER, working length 11 cm, 6 Fr.          FERGUSON Suction Tube, with cut-off hole and stylet, LUER, workinglength 11 cm, 9 Fr.          FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working lenth 11 cm, 12 Fr.          ZOELLNER Suction Tube, LUER-Lock, 15 cm, O.D. 2.5 mm.          Suction Tip for , 4 cm, O.D. 0.5 mm.          Suction Tip for , 4 cm, O.D. 0.7 mm.</p>			
75.	<p><b>COLOR DOPPLER USG UNIT</b>          Color Doppler with Fully Digital Beam former having 2D / M-Mode and Doppler Facilities, (PW, HPRF, &amp; Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility and Upgradeable to CW and 4D Imaging in Convex, Linear and Endocavity Probe.  <b>1) B-MODE Specification:</b>          a) Sector Scan Angle Variable in Four Steps.          b) Viewing Depth: 30 cm Minimum (Both in B &amp; W and Color).          c) Frame Rate: 500 f/sec or more          d) Built-in cine loop with ability to vary reverse and slow motion of display; Internal Memory 2000 / 200MB or more Color Images.          e) Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images.  <b>2) M-MODE SPECIFICATION:</b>          a) Magnification: X2 or more.          b) Sweep Speed: Slow, Medium and Fast.          c) Color Display of M-Mode.  <b>3) D-MODE SPECIFICATION:</b>          a) Pulse-Wave Doppler Measureable Velocity Range.          b) HPRF Doppler.  <b>c) CONTINUOUS-WAVE DOPPLER:</b>          - Measurable Velocity Range: Steerable.          - Must have Doppler Beam Steering and Bi-Directional Stereo-Audio.          d) Colorized Spectrum Display.          e) Automatic Baseline and Velocity Range Control.          f) Live Measurements for Doppler Spectrum.  <b>4) COLOR DOPPLER MODE SPECIFICATIONS :</b>          - 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.          - 200 db system dynamic range or more.  <b>5) MEASUREMENT PACKAGE:</b>          To provide Comprehensive Software Package for Measurement of Distance, Circumference, Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness/          Measurement Software to be Provided as a Standard.  <b>6) SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:</b>          - 19-Inches Minimum LCD / LED Color Monitor, with Resolution 1280 x 1024 Pixels minimum.          - Foot-Switch.          - 3 to 4 Active Transducer Connector for Tran thoracic Probes DVD / CD Drive for Image Storage to be Built-in to the System.          - 100 GB or more Hard Disk Drive to be Built-in to the System.</p>	11,000,000	01	11,000,000

- Built-in DICOM Compatibility. (3.0 with all components)
- Touch Command Screen Control at least 8-inches LCD / TFT or more.
- Full DICOM (Upgradable)

Probes must be supplied by same manufacturer.

**7) UPGRADEABILITY :**

- System Software must be Upgradable.

**8) STANDARD PROBES :**

- 2 – 6 MHz Multi-Frequency Convex Probe for B/M/CDI/PW and ShearwaveElastography.
- 5-9 MHz Multi-Frequency Linear Probe with shearwaveelastography.
- TVS/ENDOCAVITORY Color PROBE

NOTE: All Probes must be supplied by same Manufacturer.

**9) 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.**

**15) 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/SPECTRAL REDUCTION**

**18) N-Sight / Adaptive Suppression / Precision Imaging /Cross beam / XFlow or equivalent to Enhance B-Mode Imaging, Xress / Ccare / 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 with Color/spectral to Clearly Show Blood Flow in tiny Vessels,**

**20) Shear wave Elastography with Quantification for body Organs specially Liver with 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) 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: 20 liters

**Optional:**

7-14 MHz Multi-Frequency Linear Probe for B/M/CDI/PW Fusion Imaging of CT / MRI 3D Volume DATA to Synchronize with Ultrasound Imaging. Complete with Hardware /needle navigation with tracking system.

Contrast Harmonic Imaging Upgradable.

	<p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> Holland, Germany, USA, UK  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any two of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
76.	<p><b>MOBILE C-ARM IMAGE INTENSIFIER</b>  C-arm x-ray unit mobile for radiography and fluoroscopy.  High frequency, power output of 2KW or more.  40 to 110kv with one shot fluoroscopy facility of 6mA or more.  X-ray tube with stationary anode or better.  Dual focal spots of 0.6 and 1.5 mm.  Automatic Fluoro dose control  Collimator : Remote control of collimator, iris and blades diaphragms motorized with x-ray grid  TV camera : High sensitivity, CCD camera, 1024 x 1024 pixels with last image hold  Display : Two 48cm (19") LCD/TFT monitors, medical grade on separate Mobile Trolley  Digital video memory 100000 images or more  Noise reduction filter, last image hold, pulsed fluoroscopy  Edge enhancement, image inversion to be provided Real time digital image rotation  Fluoroscopy footswitch: One cassette holder 24x30cm  Laser localizer lights cross beam type  Size of Image intensifier should be 9" or more. DSA software should be provided.  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> Holland, Germany, USA, UK  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any two of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	14,400,000	01	14,400,000
77.	<p><b>OPERATING MICROSCOPE FOR EAR SURGERY WITH EXTRA TEACHING EYE PIECE, TEACHING LCD AND RECORDING SYSTEM</b>  Floor mounted stand with counterbalanced arm  Microscope body with linear motorized zoom (1:6) or better  Motorized fine focusing  Adjustable speed for focus and zoom  Continuously variable focal length 225 to 400mm without changing front lens  Binocular tilttable 0o to 180o with IPD adjustment  Coaxial illumination  Variable spot illumination  Eyepieces 10X/12.5X with dioptic adjustment  Fully apochromatically corrected optics with high light transmission  Dust cover  Sterilization protective caps for all drive knobs  Xenon illumination with controllable intensity 180 Watt or better  Waterproof foot control panel  Stereo co-observation attachment with inclination with straight binocular tube  Beam splitter  HD camera attachment  Recorder with hard drive and 30" LCD / LED screen  <b>Optional:</b> if any, should be quoted separately  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.</p>	25,00000/-	01	25,00000/-

	<b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)			
78.	NASAL ENDOSCOPES FOR FESS 0,30,45,70 DEGREE 4MM <b>Quality Certificate:</b> Any	3,00000/- EACH	01	3,00000/- EACH
79.	EAR ENDOSCOPES(SHORT LENGTH) FOR EAR SURGERY 0, 30, 45, 70 DEGREE 2.7 MM <b>Quality Certificate:</b> Any	3,00000/- EACH	01	3,00000/- EACH
80.	<b>TONSILLECTOMY INSTRUMENTS SET</b> SCALPEL HANDLE #3 WITH MEASURE 125MM SCALPEL HANDLE #4 135MM SCALPEL HANDLE #7 ENGLISH NO.5 160MM YANKAUER SUCTION CANNULA 2.0MM 285MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X55MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X62MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X75MM MCIVOR FRAME F/TONGUE DEPRESSOR TC METZENBAUM SCISSORS STR 180MM TC METZENBAUM SCISSORS CVD 180MM BACKHAUS TOWEL CLAMP 90MM BACKHAUS TOWEL CLAMP 110MM BACKHAUS TOWEL CLAMP 135MM FOERSTER SPONGE FCPS SMOOTHSTR 245MM FOERSTER SPONGE FCPS SMOOTHCVD245MM TC CRILE-WOOD NDL HLD RSTRSERR 145MM TC CRILE-WOOD NDL HLD RSTD SERR185MM TC CRILE-WOOD NDL HLD RSTD SERR 200MM BARNHILL ADENOID CURETTE #1 200MM BARNHILL ADENOID CURETTE #2 200MM BARNHILL ADENOID CURETTE #3 200MM BARNHILL ADENOID CURETTE #4 200MM LOVE NERVE ROOT RETRACTOR STR 220MM ADENOTOME LA FORCE SIZE 1 ADENOTOME LA FORCE SIZE 2 ADENOTOME LA FORCE SIZE 3 WEDER TONGUE DEPRESSOR FEN SM 125MM WEDER TONGUE DEPRESSOR FEN LRG125MM WHITE TONSIL SEIZING FORCEPS180MM WHITE TONSIL SEIZING FORCEPS235MM EVES TONSIL SNARE 280MM SNARE WIRES 0.5MM DIA BRUENINGS TONSIL SNARE 10 290MM FISHER TONSIL KNIFE 235MM TONSIL DISSECTOR/PILLAR RETR 6MM215MM	50,000/- EACH	01	50,000/- EACH

	<p>TONSIL DISSECTOR/PILLAR RETR10MM215MM  KIDNEY TRAY STAINLESS STEEL 250MM  KIDNEY TRAY 275MM 750ML  LABORATORY DISH 1.0 L  LABORATORY DISH 2.5 L  DOUGHTY MOUTH GAG COMPLETE SET  DAVIS BOYLE MOUTH GAG COMPLETE SET  DOYEN MOUTH GAG COMPLETE SET  CHEEK RETRACTOR  NEGUS FORCEP  STRAIGHT ARTERY FORCEPS  TONSIL NEEDLE  TEETH GUARD</p> <p><b>Accessories:</b>  Sterilization system complete consisting of  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes  Identification Labels</p>			
81.	<p><b>PORTABLE /MOBILE ULTRASOUND (GYNE)</b>  Digital Ultrasound scanner with digital beam former System should be capable to handle multi frequency probes from 3.0 MHz to 9.0 MHz or above. Built-in Trolley System.  Multi frequency Convex Probe with center frequency between 3 to 5 MHz  Multi-frequency Endocavity Probe with center Multi-frequency between 5 - 8 MHz (90-150 degree)  Biopsy adopter for any probe  Modes: B.M and combination thereof.  M. Mode sweep: 4 speed or more.  Gray scale: 256  Sensitivity time gain: 8-12 steps  Depth: 24 cm or more  Focusing system: 3 steps and dynamic  Adjustable acoustic power  Frame rate: 80 frame / sec or more  Keyboard: Alpha numeric with track ball / Touch pad  Tissue Harmonics: Tissue Harmonic imaging  Cine memory of 64 frames minimum  Post processing: Image inversion, edge/echo enhancement correlation / persistence/Dynamic range/Gamma Curve.  Image magnification 4x or more in real time.  Monitor: 12" LCD / TFT  Two probe connectors or more.  System must be DICOM compatible</p> <p><b>Accessories :</b>  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: 20 liter</p> <p><b>OPTIONALS:</b>  Foot Switch  Multi-frequency Linear Probe with center Multi-frequency between 5 - 7.5 MHz  Biopsy Adaptor for Any Probe</p> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW  (any two of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes</p>	2,500,000	01	2,500,000

	i.e. CFR/CPT and DDP)			
82.	<p><b>MASTOID DRILL SYSTEM</b>  <b>MICRO SURGICAL HIGH SPEED DRILL 40,000 to 100,000rpm</b>  <b>Consisting Of:</b>  Control Unit  High Speed Electronic Micro Motor 40000 rpm or better with Cable  Single / double Foot Control including connecting cable  Standard Irrigation set  <b>INTRA DRILL HANDPIECES:</b>  INTRA DRILL HANDPIECE STRAIGHT FOR EAR  INTRA DRILL HANDPIECE ANGLED FOR EAR  DIAMOND CUTTING BURRS SET 70MM (set of 14)  TUNGSTEN CARBIDE BURRS SET 70MM (set of 14)  Cleaning Brushes  Lubrication oil spray  <b>Accessories:</b>  Sterilization and storage system complete</p>	3,00000/-	01	3,00000/-
83.	<p><b>CO2 LASER FOR ENT</b>  <b>Consisting of:</b>  Mobile console with color touch panel  Multi user system for storage of user programs  25W or better power output  Operation modes including continuous wave, pulse mode  Single pulse upto 5s / 500 Hz variable  Pulse repetition  Beam delivery through free moving articulated arm with seven joints  and 3600  rotation  Low noise cooling system  Hand piece 4"/6" with standard set of tips  Nasal Hand piece with standard set of probes  Micromanipulator with 200 to 400 mm zoom type focusing  Foot switch  5 protective goggles  Smoke evacuator  <b>Accessories:</b>  Sterilization system complete  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA,  CE/MDD &amp; MHLW  (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on  both modes  i.e. CFR/CPT and DDP)</p>	25,00000/-	01	25,00000/-
84.	<p><b>MICROLARYNGEAL SURGERY INSTRUMENTS SET</b>  (KLEINSASSER) Operating Laryngoscope, for adults, medium,  length 17 to 18 (KLEINSASSER)  Operating Laryngo- scope, length 17 to 18 cm, adult size, large.  (KLEINSASSER) Operating Laryngoscope, for adults, medium,  length 17 to 18 cm (for anterior  commissure)  (KLEINSASSER) Operating Laryngo- scope, child size, length 15 cm  (KLEINSASSER) Operating Laryngos- cope, length 13 cm, child  size, small.  BENJAMIN-HAVAS Clip, short, for proximal illumination  Fiber Optic Light Carrier, for distal illumination, working length 14  cm, for use with  Laryngoscopes and Diverticulosopes</p>	2,00000/-	01	2,00000/-



	<p>Fiber Optic Light Carrier, for use with laryngoscopes Laryngoscope Holder, with wide angle adjustment <b>Consisting of:</b> holder with wheel support rod (KLEINSASSER) Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm (KLEINSASSER) Forceps, curved upwards, with 2 mm cupped jaws, with cleaning connector, working length 23 cm (KLEINSASSER) Forceps, curved to left, with 2 mm cupped jaws , with cleaning connector, working length 23 cm (KLEINSASSER) Miniature Forceps, straight, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm (KLEINSASSER) Artery Forceps, with ratchet, with cleaning connector, working length 23 cm (KLEINSASSER) Scissors, straight, with cleaning connector, working length 23 cm Micro Forceps, straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm Spoon Forceps, with cupped jaws, diameter 5 mm, robust model, double action jaws, sheath diameter 2.5 mm, with cleaning connector, working length 23 cm LINDHOLM Forceps, for atraumatic retraction of true vocal cords and false vocal cords, distal end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 24 cm (KLEINSASSER) Knife sickle-shaped, curved, pointed, working length 23 cm (KLEINSASSER) Suction Tube, outer diameter 3 mm, working length 23 cm <b>Accessories:</b> Sterilization system complete consisting of standard accessories or as follows Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes <b>Optional (If any):</b></p>			
85.	<p><b>ANTRAL WASHOUT SET</b> Nasal Speculum, blade length 30 mm, length 13 cm Nasal Speculum, for adults, 15 cm, with set screw and adaption for Flexible Tension Arm , right blade 65 mm long and 15 mm wide, left blade 50 mm long and with 3 mandrels Nasal Speculum, for children, length 13 cm Nasal Speculum, with fiber optic light carrier, blade length 40 mm, length 13.5 cm Illuminated Nasal Speculum with fiber optic light carrier. 13.5 cm, 75 mm. Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3.5 mm, working length 11 cm Suction and Irrigation Tube, cylindrical, suction tube outer diameter 1 mm, irrigation tube outer diameter 1 mm, working length 9.5 cm Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm Nasal Probe, curved, working length 11 cm, total length 18 cm Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm Nasal Dressing Forceps, bayonet-shaped, length 16.5 cm</p>	1,50000/-	01	1,50000/-

	<p>Nasal Dressing Forceps, bayonet-shaped, length 20 cm  Nasal Dressing Forceps, angular, working length 10 cm  Nasal Dressing Forceps, standard size, working length 11 cm  Forceps, with oval, fenestrated, cupped jaws, straight, width 2.5 mm, working length 12.5 cm  Antrum Cannula LUER-Lock, long curved, with olive diameter 2.7 mm, without grip plate, outer diameter 1.5 mm, length 9 cm  Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm  Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm  Antrum Cannula, length 12.5 cm, with cut-off hole, O.D.: 2.5 mm, LUER-lock, short curved</p> <p><b>Accessories:</b>  Sterilization system complete consisting of standard set or as follows.  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes</p> <p><b>Optional (If any):</b></p>			
86.	<p><b>RHINOPLASTY COMPLETE SET</b>  Surgical Handle, length 14 cm, for Blades  Blade, size. 15, non-sterile, package of 100  Blade, size 11, non-sterile, package of 100  Miniature Blade, Size .64, round, sterile, package of 25  Nasal Knife, curved, roundly tipped blade, length 14 cm  Nasal Knife, rounded edge, length 14 cm  Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm  Scissors, extra delicate, curved, length 10 cm  Scissors, curved, length 10.5 cm  Scissors, curved, length 14 cm  Scissors, angled, length 10 cm  Dorsal Scissors, angular, serrated blades, slender, working length 6.5 cm  Chisel, flat, graduated, straight, width 4 mm, length 18.5 cm  Chisel, flat, graduated, straight, width 7 mm, length 18.5 cm  Chisel flat, graduated, straight, width 9 mm, length 18.5 cm  Crossbar Osteotome, graduated, double-edged grinding, straight, width 6 mm, length 18.5 cm  Crossbar Chisel, graduated, single-edged grinding, curved, width 6 mm, length 18.5 cm  Chisel, straight, with rounded guard, straight, length 18 cm  Chisel, slightly curved, with rounded guard on left side, length 18 cm  Chisel slightly curved, with rounded guard right side, length 18 cm  Retractor, narrow (standard model), length 14 cm  Knife Guide and Retractor, one side with two pronged nostril retractor, other side with flat retractor, with duct for guide of cut, length 19 cm  Knife Guide and Retractor, made of wire, one side with nostril retractor, other side with flat retractor, length 18 cm  Retractor, two prongs, sharp prong on right, blunt prong on left, width 10 mm, length 14.5 cm  Retractor, two prongs, sharp prong on left, blunt prong on right, width 10 mm, length 14.5 cm  Hook, one prong, large curve, length 16.5 cm  AUFRIEHT Nasal Retractor, width of retractor blade 8 mm, length of retractor blade 40 mm, length 16.5 cm  Suction Raspatory, with stylet, length 19.5 cm  MASING Elevator, double-ended, graduated, sharp and blunt, length 22.5Cm  JOSEPH-MASING Elevator, slightly curved, bayonet, 21 cm.  MCKENTY Raspatory, width 5 mm, length 14.5 cm  COTTLE Raspatory, double-ended, for tunneling, length 22.5 cm</p>	4,00000/-	01	4,00000/-

	<p>COTTLE Lower Lateral Forceps, bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm  ADSON-BROWN Tissue Forceps, atraumatic, fine side grasping teeth, length 12 cm  Nasal Rasp, double-ended, fine, length 21.5 cm  Nasal Rasp, double-ended, coarse (rasp), length 21.5 cm  WALSHAM Septum Straightening Forceps, dismantling, length 21 cm  COTTLE Metal Mallet, length 18 cm  JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, right, length 18.5 cm  JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, left, length 18.5 cm  COTTLE Nasal Speculum, blade length 55 mm, length 13 cm  KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 75 mm, length 13.5 cm  KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 90 mm, length 13.5 cm  BLAKESLEY Nasal Forceps, straight, size 1, working length 11 cm  BLAKESLEY Nasal Forceps, straight, size 3, working length 11 cm  WATSON-WILLIAMS Nasal Forceps, straight, with serrated jaws, working length 11 cm  COTTLE Bone Crusher, with clip, crusher size 5 x 1.5 cm  MASING Needle Holder, ear forceps shape, intranasal, smooth jaws, working length 8 cm  NEIVERT-MASING Needle Holder, thumb ring upturned, one jaw with groove, length 13 cm  Needle Holder, extra delicate, slight spring action, length 17 cm  FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 7 Fr./2 mm, working length 10 cm, total length 17.5 cm  FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 9 Fr./3 mm, working length 10 cm, total length 17.5 cm  Suction Tube, curved, outer diameter 5 mm, length 16.5 cm  COTTLE Columella Clamp, length 11 cm  KAZANJIAN Forceps, length 20 cm  JANSEN-MIDDLETON Septum Forceps, angular, through-cutting, working length 10 cm</p> <p><b>Accessories:</b>  Sterilization system complete consisting of standard set or as follows.  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes</p> <p><b>Optional (if any):</b></p>			
87.	<p><b>MYRINGOTOMY SET</b>  Ear Speculum, 3.6 cm, O.D. 5 mm  Ear Speculum, 3.6 cm O.D. 6 mm  Ear Speculum, 3.6 cm O.D. 7.5 mm  Ear Forceps, very fine, serrated, working length 8 cm  Ear Curette, blunt, 14.5 cm size 1  Sickle Knife, double-edged, standard model, slightly curved, length 16 cm  Needle. 16.5 cm, light curve.  Pick 90°, 16 cm, 0.8 mm  Adaptor. For suction cannulas with cut-off hole, LUER cone 5.5 cm.  Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.0 mm  Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.3 mm  Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.5 mm  Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 2.0 mm  Groumet Gun  Instrument Rack for 5 instruments with holder for ear specula, for</p>	2,00000/-	01	2,00000/-

	<p>ventilation tube set, may be used with metal case  Metal Case, perforated, lid detachable, size 20 x 10 x 4 cm  Tele-Otoscope with Straight Forward Telescopes 0°, diameter 3 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: green  <b>Accessories:</b>  Sterilization system complete consisting of standard accessories or as follows  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes  <b>Optional (If any):</b></p>			
88.	<p><b>NASAL BONE FRACTURE REDUCTION SET</b>  Nasal Speculum, with set rack, blade length 40 mm, length 15 cm  Nasal Speculum, with set screw, blade length 40 mm, length 15 cm  Nasal Speculum, 15 cm, with set screw, with adaption for flexible tension arm 723018, 40 mm.  Nasal Dressing Forceps, standard size, working length 11 cm  Nasal Scissors, cutting blades curved upwards, to cut the anterior part of the middle turbinate in case of narrow nose and to prevent postoperative synechia, with cleaning connector, working length 13 cm  Nasal Scissors, straight, with cleaning connector, working length 13 cm  Septum Forceps, straight, working length 9 cm  Septum Forceps, straight, working length 11 cm  Elevator double-ended, semisharp and blunt, graduated, length 20 cm  <b>Accessories:</b>  Sterilization system complete consisting of standard accessories or as follows  Container Bottom  Container Lid  Wire Basket  Silicone mat  Wrapping Drapes  <b>Optional (If any):</b></p>	50,000/-	01	50,000/-
89.	<p><b>ANTERIOR SKULL BASE SURGERY SET</b>  Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5 cm  autoclave able, fiber optic light transmission incorporated, color code: green  Suction and Irrigation Sheath, outer diameter 4.8 x 6 mm, working length 14 cm,  Telescope and lens irrigation system  Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, autoclave able,  Fiber optic light transmission incorporated, Color code: black  Suction and Irrigation Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, for use with  Telescope and lens irrigation system  Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, straight sheath, straight jaws, width of cut 1.5 mm, with cleaning connector, working length 13 to 15cm  Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, straight sheath, jaws upturned 45°, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm  Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, for tissue-sparing, sheath curved 30°, straight jaws, width of cut 1.5mm,with cleaning connector, working length 13 to 15 cm</p>	5,00000/-	01	5,00000/-

<p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, sheath curved 30°, jaws 45° upturned, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 65° upturned, right side opening, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 65° upturned, backward opening, width of cut 1.5 mm, with cleaning connector, working length 13 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 65° upturned, left side opening, width of cut 1.5 mm, with cleaning connector, working length 13 cm</p> <p>Nasal Forceps, end of sheath 25° upturned, through-cutting, jaws 45° upturned, shape, width 3 mm, with cleaning connector, working length 13 cm</p> <p>Nasal Forceps, end of sheath 25° upturned, jaws 45° angled upwards, width 3.5 mm, with cleaning connector, working length 13 cm</p> <p>Nasal Forceps, end of sheath 25° upturned, with straight jaws, width 3 mm, with cleaning connector, working length 13Cm</p> <p>Nasal Forceps, end of sheath 25° upturned, through-cutting, with straight jaws, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm</p> <p>Nasal Forceps, end of sheath 25° upturned, jaws 45° upturned, width 3 mm, with cleaning connector, working length 13 cm</p> <p>Antrum Grasping Forceps, jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm</p> <p>Sphenoid Punch, tip curved 30°, through-cutting, reversible, size 1.6 x 2 mm, working length 17 cm</p> <p>Frontal ostium seeker curved, double ended</p> <p>Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm</p> <p>Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm</p> <p>Elevator, double-ended semi-sharp and blunt, length 26 cm</p> <p>Hook, 90°, blunt, length 25 cm, with round handle</p> <p>Round Knife, vertical, 3.5x2.5mm length 25 cm, with round handle</p> <p>Suction Elevator, curved, length 25 cm, with mandarin</p> <p>Suction Tube, without cut-off hole, LUER, diameter 2 mm, working length 15 cm</p> <p><b>Accessories:</b> Sterilization system complete consisting of standard set or as follows. Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes</p> <p><b>Optional (If any):</b></p>			
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<p>90.</p>	<p><b>IMAGE GUIDED OPTICAL (NAVIGATION) SYSTEM</b>  Navigation System Configuration:  Navigational Panel Unit (Optical)  <b>Consisting of:</b>  1x Navigation Panel  1x Optical Mouse  1x Navigation Camera  1x Electronic Box  1x Docking Adaptor  1x Mobile Stand  1x Data Cable  1x Video Cable  1x Navigation Camera Cable  1x Headband for Navigation  1x Patient Tracker  1x Case Navigation  1x Navigation Probe  1x Mains Cord  Mobile cart  The system should have total surgical control in sterile field on a fingertip with a touch screen monitor, stylus pen or a mouse  The system should have provision of the Rapid Data Transfer via CDRW/DVD/USB/Network/PACS  The system should have at least one VGA video output enabling plug-n-play image routing to a second monitor  The system should be supplied with navigated instruments, tracker references for instruments and a patient and dedicated sterilization trays that are reusable and steam sterilizable (autoclave able)  ENT Navigation Software and navigated instruments support interventions in para nasal sinuses (FESS and trans nasal approaches - endoscopic, microscopic, VITOM surgeries) and skull base (including lateral approaches)  The system should be plug and play with user friendly system software to control setup, registration and navigation  The system shall complete ENT and skull base surgery, navigation and its application package  The system should enable CT/MRI/DVT data import utilizing DICOM interface  The system should enable automatic image fusion of different modalities (CT and MRI)  The software should enable the assignment of multiple Risky Structures / regions of interest in sagittal, coronal and axial views  The system should preferably warn the surgeon by color change and/or audible signal when approaching defined risky structures  The navigated instruments are reusable and autoclave able  The navigated instruments are dedicated for navigation with added fixations for the optical trackers  The navigation of the instruments should not require any disposables  The real instrument's geometry is visualized  The system should enable visualization of both position and orientation of navigated instruments  The navigated system should have snapshot storage function for documentation purpose   <b>Navigated Instruments:</b>  Optical Navigated Suction Tube, curved upwards, for left and right-handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm  Optical Navigated Suction Tube, curved to left, for left and right-</p>	<p>40,00000/-</p>	<p>01</p>	<p>40,00000/-</p>
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	<p>handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm Optical Navigated Suction Tube, curved to right, for left and right- handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm Optical Navigated Frontal Sinus Probe Optical Tool Tracker, for optically navigated instruments, with 3 fix- mounted glass spheres, autoclave able, dimensions: 70 x 50 x14 mm Wire Tray for Navigation Probe and Patient Tracker, incl. lid, silicone mat and fixing system for Cleaning, sterilization and storage for one Navigation Probe and one Patient Tracker External dimensions (w x d x h): 240 x 250 x70 mm and Wire tray for suction tube and tool Tracker. Optical Navigated Suction Tube, straight, for right-handed use, with cut-off hole, 9 Fr., working length 9 cm, total length 16 cm Navigated Suction Tube, curved upwards, for right-handed use, outer diameter 3 mm, length 16.5 cm Optical Navigated Suction sinus Probe for use of optical tracker <b>Accessories:</b> Sterilization system complete <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>			
91.	<p><b>DIAGNOSTIC AUDIOMETER</b> Frequency upto 8KHz Air conduction Bone conduction Narrow band Speech Power supply 220/240V AC AC Headset BC Headset Patient response switch Microphone Compatible printer Accessories: Sterilization and storage system complete <b>Optional :</b> Audiometry test booth (Local) <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)</p>	5,00000/-	01	5,00000/-
92.	<p><b>ENT OPD UNIT WITH BUILT IN SUCTION</b>  ENT unit combined with patient chair and stool allows the operator to manage complete and professional activity for examination, treatment and diagnostics. The unit shall have solid and mobile case with antistatic castors with brakes  The structure coating shall be painted with SS/Antibacterial paint with a transparent gloss layer for protection against external agents.  <b>Drawer Module complete with instrument trays:</b>  2 to 4 Drawers ,UV lamp drawer inbuilt  <b>Instrument tablet :</b></p>	300,000/-	01	300,000/-

- Visualization and control of all instruments related to suction or insufflation and of the digital vacuum and pressure systems.

**Suction System:**

- Noiseless Suction system with oil or dry pump having suction capacity 30 liters/min or more
- Wastage collection jar 1 liter or more
- System with assorted kit of suction cannulas.

**Insufflation System:**

- Insufflation with flow regulation system and Pulitzer olive included

**Integrated LED Light Sources:**

- Double neutral LED/ Halogen light sources
- LED/ Halogen light source with automatic switching Light intensity shall be adjustable by touch screen.

**Larynx mirror quick heating:**

**Compressed air system complete with:**

- Air syringe for spray olives
- 2 atomizers:
- 2 bottle holders for medicaments.

**Rinsing system of suction tubes**

- Rinsing system of suction tubes shall be complete with automatic discharge outside
- ON/OFF switch and timing shall be settable by touch screen on the instrument tablet.

**Endoscope supports**

2 to 4 (1 o specify) endoscope supports: 2 long supports for flexible (clean and dirty) and 6 for rigid endoscopes (clean and dirty).

**Endoscope Warmer**

Timed system for simultaneous preheating of endoscope supports at 38°.

**HEAD LIGHT:**

- With Head band

**ENT Chair**

- Professional chair designed for ENT examination in specialized departments that provide comfort for both patient and operator.
- Pedal for all the independent movements' control (High quality motors with lifting capability and operating electrically and separately the up/down, backrest, seat and leg rest movements.
- Inclination in Trendelenburg position.



	<ul style="list-style-type: none"> <li>• Synchronized backrest-seat movement to grant security</li> </ul> <p><b>Optional</b></p> <ol style="list-style-type: none"> <li>1. Automatic discharge system of suction</li> <li>2. Rigid Endoscopes 2.7 MM 0° or 30°</li> <li>3. Rigid Endoscopes 4 MM 0° or 30°</li> <li>4. Adult Flexible Nasopharyngoscope</li> <li>5. Video Capturing Software with camera</li> <li>6. ENT Microscope with articulated arm</li> <li>7. Integrated UV compartment in drawer</li> <li>8. Doctor's Stool</li> </ol> <p><b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>			
93.	<p><b>TYMPANOMETER</b>  Fast, automatic tympanometry test  Probe frequency – 226Hz +/- 1%  Pressure range +200 to -400 daPa  ipsi lateral reflex test with 4 frequencies  contra lateral reflex test  Headset  Printer  <b>Warranty:</b> Comprehensive warranty of five (05) years.  <b>Country of Manufacturer:</b> USA, Europe, UK, Japan.  <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD &amp; MHLW (any one of these) is required.  <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes  i.e. CFR/CPT and DDP)</p>	400,000/-	01	400,000/-
94.	<p><b>GENERAL SURGERY SET FOR ENT</b>  FOERSTER SPONGE HOLD.FORC.,SERRAT.JAWS  BACKHAUS TOWEL HOLDING FORCEPS,110MM  SCALPEL HDL.NO.3  SCALPEL HDL.NO.4  MAYO DISSECT.SCISSORS CVD.170MM  METZENBAUM DISSECT.SCISSORS CVD.145MM  METZENBAUM DISSECT.SCISSORS CVD.200MM  OP.SCISSORS,STR.,BL/SH,145MM  DISSECTING FORCEPS,STD.PATTERN,145MM  DISSECT.FORCEPS W/O T.STD.PATT.200MM  TISSUE FORCEPS,STD.PATT.,1X2 T.,145MM  DISSECT.FORCEPS STD.PATT.1X2T.200MM  CUSHING DISSECT.FORCEPS STR.200MM  HALSTED MOSQUITO FORCEPS STR.125MM  CRILE ARTERY FORCEPS CVD.140MM  PEAN ARTERY FORCEPS STR.140MM  KOCHER-OCHSN.ARTERY FORC.1X2T.STR.160MM  KOCHER-OCHSN.ARTERY FORC.1X2T.STR.200MM  MIKULICZ PERITONEUM FORCEPS CVD.205MM  OVERHOLT FORCEPS # 0 CVD215MM  OVERHOLT FORCEPS # 1 CVD209MM  ALLIS INTESTINAL FORCEPS 4X5 T.155MM HEGAR-MAYO</p>	200,000/-	01	200,000/-

	NEEDLE HOLDER,150MM HEGAR-MAYO NEEDLE HOLDER 200MM DESCHAMPS NDLF/RT-HNDBLTLNG-HK215MM DIRECTOR W/TONGUE STR 145MM DOUBLE-ENDED PROBE 1.5MM 145MM CUSHING VEIN RETRACTOR 10X13MM 203MM SENN-MILLER RECTOR. SH. 8X7/18X5.5MM FARABEUF RTRCTRS23X16/28X16-20X16/24X16 VOLKMANN RETR4-PRGSEMI-S8.5X19222MM KOCHER-LANGENBECK RETR 41X11MM216MM KIDNEY TRAY STAINLESS STEEL 250MM LABORATORY DISH 0.16 L <b>Accessories:</b> Sterilization system complete consisting of Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes Identification Labels			
95.	<b>STORBOSCOPE</b> Motion Frequency:- 0 to 2.5 Hz Phase Shift:- 0 to 360 or better Triggeable frequency:- up to 1400 Hz or Less Light source LED / Xenon Telescope 70 and 90 digree 18cm Foot Padel <b>Accessories:</b> Sterilization and storage system complete <b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Any <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)	1,000,000/-	01	1,000,000/-
<b>Estimated Grand Total</b>				<b>213,809,000</b>

96	NAME OF ITEM	DESCRIPTION	QTY
	<b>DEVELOPMENT GI ENDOSCOPY SUIT</b>		
		<b>FULL HD ENDOSCOPY EQUIPMENT</b>	
<b>A</b>	<b>Adult HD SLIM GASTROINTESTIN ALVIDEOSCOPE(Olympus, Fujinon, Pentax)</b>	<b>FULL HD GASTROINTESTINAL VIDEOSCOPE</b>	<b>2</b>
		<b>With advanced technological features</b>	
		Field of view 140°	
		Direction of view Forward viewing	
		Depth of field 2-100 mm	
		Distal end outer diameter 9.2 mm or less	
		Insertion tube outer diameter 9.2 mm or less	
		Channel inner diameter 2.8 mm or more	
		Minimum visible distance 3.0 mm	
		Bending Section Up 210° , Down 90° - 120°	
		Right 100° - 120°, Left 100° - 120°	
		Separate Water Jet function (Optional)	
		Light assisted observation for greater contrast of blood vessels and mucosa	

B	HD GASTROINTESTINAL VIDEOSCOPE(Olympus, Fujinon, Pentax)	<b>FULL HD GASTRO VIDEOSCOPE</b>	<b>2</b>
		<b>With advanced technological features</b>	
		Close Focus/zoom capability	
		Forward viewing Field of view 140°	
		Depth of field: Normal 5-100 mm, Near 2-6 mm	
		Distal end outer diameter 10.8 mm or less	
		Working length 1030 mm	
		Channel inner diameter 2.8 mm	
		Minimum visible distance 3.0 mm	
		Bending Section Up 210° , Down 90° - 120°	
		Right 100° - 120° , Left 100° - 120°	
		Separate Water Jet function	
		Light assisted observation for greater contrast	
		blood vessels and mucosa	
C	HD COLONOVIDEOSCOPE(Olympus, Fujinon, Pentax)	<b>FULL HD COLONOVIDEOSCOPE</b>	<b>2</b>
		<b>With advanced technological features</b>	
		Forward viewing, Field of view 140° or better	
		Depth of field 2-100 mm	
		Distal end outer diameter max 13.5 mm	
		Insertion tube outer diameter max 13 mm	
		Channel inner diameter 3.7 mm	
		Minimum visible distance 3.0 mm	
		Angulation Up 180° , Down 180° , Right 160° , Left 160°	
		Light observation for greater contrast of blood vessels	
		and mucosa,Dual Bending,(optional)Separate Water Jet function	
D	DUODENOVideoscope (Olympus, Fujinon, Pentax)	<b>HIGH RESOLUTION DUODENOVideoscope</b>	<b>2</b>
		<b>With advanced technological features</b>	
		Field of view 100°	
		Direction of view backward side viewing 5° - 15°	
		Depth of field 5-60 mm	
		Distal end outer diameter max 14 mm or less	
		Insertion tube outer diameter max 11.5 mm or less	
		Working length L: 1240 mm	
		Channel inner diameter 4.2 mm	
		Minimum visible distance 10 mm	
		Angulation Up 120° , Down 90° , Right 110° , Right 90°	
		Light assisted observation for greater contrast	
		blood vessels and mucosa	
E	GASTROINTESTINAL Therapeutic VIDEOSCOPE(Olympus, Fujinon, Pentax)	<b>High Definition GASTRO VIDEOSCOPE</b>	<b>1</b>
		<b>With advanced technological features</b>	
		Field of view 140°	
		Direction of view 0° Forward viewing	
		Depth of field 2-100 mm	
		Distal end outer diameter max 11 mm	

		Insertion tube outer diameter max 11.5 mm or less	
		Channel inner diameter 3.7 mm or more	
		Minimum visible distance 3 mm from the distal end	
		Separate Water Jet function	
		Light assisted observation for greater contrast of blood vessels and mucosa	
		Angulation Up 210° , Down 90° - 120°	
F	GASTROINTESTINAL VIDEOSCOPE Double channel(Olympus, Fujinon, Pentax)	<b>HD GASTROINTESTINAL VIDEOSCOPE</b>	<b>1</b>
		<b>DUAL-CHANNEL</b>	
		<b>With advanced technological features</b>	
		Field of view 120° or better	
		Depth of field 3-100 mm	
		Distal end outer diameter 13.2 mm or less	
		Insertion tube outer diameter 12.6 mm or less	
		Working length L: 1030 mm	
		Channel inner diameter A:2.8 mm, B:3.7 mm	
		Minimum visible distance 4 mm from the distal end	
		Angulation Up 210° , Down 90° - 120°	
		Right 100° - 120°, Left 100° - 120°	
G	Pediatric GASTROINTESTINAL VIDEOSCOPE (Olympus, Fujinon, Pentax)	<b>FULL HD GASTROINTESTINAL VIDEOSCOPE</b>	<b>1</b>
		<b>With advanced technological features</b>	
		Field of view 140°	
		Direction of view Forward viewing	
		Depth of field 2-100 mm	
		Distal end outer diameter 5.6 mm or less	
		Insertion tube outer diameter 5.8 mm or less	
		Channel inner diameter 2.0 mm or more	
		Minimum visible distance 3.0 mm	
		Bending Section Up 210° , Down 90° - 120°	
		Right 100° - 120°, Left 100° - 120°	
		Separate Water Jet function (Optional)	
Light assisted observation for greater contrast of blood vessels and mucosa			
H	Pediatric Video Colonoscope (Olympus, Fujinon, Pentax)	<b>FULL HD PEADS COLONO VIDEO SCOPE</b>	<b>1</b>
		<b>With advanced features</b>	
		Field of view 140°	
		Direction of view Forward viewing	
		Depth of field 2-100 mm	
		Distal end outer diameter 9.7 mm or less	
		Insertion tube outer diameter 9.7 mm or less	
		Channel inner diameter 3.2 mm or more	
		Minimum visible distance 3.0 mm	
		Bending Section Up 180° , Down 180°	
		Right 160°, Left 160°	
		Separate Water Jet function	
Light assisted observation for greater contrast of blood vessels and mucosa			

<b>I</b>	<b>VIDEO SYSTEM</b>	<b>VIDEO SYSTEM CENTRE</b>	<b>2</b>
	<b>CENTRE</b>	Full HD latest technological features of endoscopes.	
	(Olympus, Fujinon, Pentax)	Functions programmable through endoscope switches.	
		White balance adjustment, endoscopes	
		Electronic magnification, Automatic gain control	
		Image enhancement settings, Image size selection,	
		Iris mode selection or equivalent	
		Freeze screen display, Patient data.	
		Capable for visual enhancement and differentiation of	
		vessels and capillaries	
		DV, DVI and HD-SDI output	
<b>J</b>	<b>LIGHT</b>	<b>XENON LIGHT 300W</b>	<b>2</b>
	<b>SOURCE</b>	Advanced light Source for HD Video Scopes	
	(Olympus, Fujinon, Pentax)	Average emergency lamp life: Approx 500 hours,	
		with advance light filters to produce 415 nm	
		& 540 nm light bands for visual enhancement and	
		differentiation of vessels and capillaries OR LED Light Source	
<b>K</b>	<b>Therapeutic Instruments</b>	<b>Therapeutic Instruments</b>	
	(Cook, Boston, Olympus	Biopsy Forceps, fenestrated type	
	etc)	Extraction Basket hard type for collecting	
		round and slippery objects.	
		Extraction Basket soft type for collecting	
		round and slippery objects.	
		Extraction Basket flower type for collecting	
		round and slippery objects.	
		Original distal and basket wire construction for	
		efficient retrieval of small bile stones	
		Polypectomy Snare oval loop shape. Wire opening	
		width: 25 mm wire dia: 0.47 mm	
		ERCP Canulas, different types	
		Wire Guided sphincterotomes	
		Triple Lumen Extraction Balloons	
		Billiary stents, various sizes	
		VISI glide guide wires	
		UGI Injectors- 21 G - 4,5, and 6 mm long	
		UGI Injectors- 23 G - 4,5 and 6 mm long	
		UGI Injectors- 25 G - 4,5 and 6 mm long	
		LGI Injectors- 23 G - 4,5, and 6 mm long	
		LGI Injectors- 25 G - 4,5, and 6 mm long	
		Spray catheters for direct medicine application	
		Dilation balloons esophageal Type	
		Hot biopsy forceps	
		Esophageal variceal band ligator	
		Foreign body retrievers forceps tube	
		Esophageal dilator set bougies	
		Double lumen extraction balloons	
		Polyp retriever baskets	
		ERCP Dilators Full Range	

		Rotatable Homeostasis Clip fixing device with clips	
		FNA needles 19,21 and 25 G	
		Grasping forceps: W shape, Rat tooth, Covered tip	
		Alligator Jaw, Shark tooth, Rat tooth with Alligator Jaw	
		Biliary pancreatic stents	
		Brushing forceps for taking brushings	
		Over tube for foreign body extraction	
		Mechanical lithotripter sets	
<b>N</b>	<b>WORKSTATION</b>	<b>WORKSTATION</b>	<b>2</b>
		Sliding keyboard Tray	
		LCD Monitor Arm	
		GI Scope Pole Kit	
<b>P</b>	<b>ENDOSCOPIC WASHER</b>	<b>ENDOSCOPIC WASHER &amp; RE-PROCESSOR</b>	<b>3</b>
	<b>&amp; RE-PROCESSOR</b>	with Ultrasonic & High Pressure Cleaning capability	
	<b>(Imported)</b>	Applicable scopes: Flexible endoscopes	
	(Olympus, Fujinon, Pentax	Number of reprocessed scopes :	
	etc)	Max.2 (1 with certain models)	
		Cleaning time setting : 1-10 minutes	
		Disinfection time setting : 5-60 minutes	
		Supply water flow : 17L/min. or more	
		Supply water pressure : Between 0.1 to 0.5 Mpa	
<b>O</b>	<b>C-Arm/ Digital Fluoroscopy System</b>	<b>Digital Fluoroscopy System</b>	<b>1</b>
		MOBILE C-ARM/ FLOUROSCOPY SYSTEM	
		HF Generator + inverter 3.5kW	
		Medical high definition medical monitors 19" flat screen 02 Nos	
		Trolley for monitors	
		TV system with CCD Camera	
		Packing (wooden crate)	
		Suitable for continuous fluoroscopy, pulsed fluorography,	
		one-shot fluoroscopy, low dose fluoroscopy AND radiography with cassette.	
		Generator operating frequency: 40 kHz	
		KV range:40 - 110 Kv	
		Generator power in dc current : 3.5 kW	
		Single phase voltage 230 Vac $\pm$ 10%	
		Frequency 50/60 Hz	
		Max current absorption 230 Vac: 6 A	
		Radiography working 230 Vac: 22 A	
		Line compensation Automatic	
		Line resistance	
		Monoblock max current 5 mA	
		Fluoroscopy working 7 mA (pulsed)	
		Radiography working 65 mA 6	
		Max mA with one.shot fluoroscopy 10 mA 1	
		mAs range 1 - 250mAS	
		Motorized vertical run 450 mm	
		Horizontal run 210 mm	

		wig-wag $\pm 12^\circ$	
		Arc orbital movement	
		s.i.d. 946 mm	
		Arc depth 659 mm	
		Space between x-ray tube head and i.i. 730 mm	
		Min/max length 1796/2431mm	
		Max width 772 mm	
		Min/max height 1743/2228mm	
		X-ray tube head type E40 HF E	
		Anode type stationary	
		Focal size 0.5x0.5 mm & 1.5x1.5 mm	
		Monoblock thermic capacity 500 kJ	
		Thermal dissipation 60W	
		Fixed additional filtering 1 mmAl	
		Total filtering > 2.7 mmAl	
		Multifunction fluoroscopy pedal	
		Radiography hand switch with extension cable	
		Laser Localizer	
		Dosimeter (DAP Chamber)	
		24x30 Cassette holder	
		Single use drapes	
<b>Q</b>	<b>Electro Surgical Unit</b>	Advanced endoscopic cutting modes	<b>1</b>
	<b>+ APC</b>	Special monopolar coagulation modes for endoscopy	
	(ERBE, BOWA, OLYMPUS, EMED)	Argon plasma coagulation in standard and pulse mode	
		Automatic regulation of working parameters	
		Instantaneous and average power monitor	
		Controlled by Touch screen	
		Colour touch screen Display TFT 7" WVGA	
		System for recognition of connected instruments	
		Control system for the neutral electrode	
		Tri-pedal footswitch to activate cutting	
		Coagulation and argon plasma modes	
		Dedicated trolley with case for argon	
		Cylinder and handy basket for accessories	
		Automatic power regulation Neutral electrode control	
		Maximum cutting power 400W	
		Maximum coagulation power 200W	
		Monopolar coagulation modes	
		Mono Coag 200W	
		Plasma 40W	
		Pulse Plasma 40W	
		Endo Coag 40W	
		Endo Spray 25W	
		Monopolar Cutting Modes	
		Mono Cut 250W	
		Polpio Cut 400W	
		Paplio Cut 400W	

		Muco Cut 400W	
		Bipolar Coagulation Modes	
		Eno BI-COAG	
		Argon Cut Mode	
		Gas type 4.8 (99.998 [%]) or higher	
		Inlet gas pressure 0.3 - 0.5 [mpa]	
		Gas flow regulation 0.5 - 3.0 [l/min]	
		Argon regulator on cylinder	
		Pressure sensor in the regulator	
		Set of probes for GI endoscopy (4)	
	<b>LINEAR-ARRAY ULTRASOUND GASTROSCOPE FOR THERAPEUTIC EUS</b>		
		PRICE PER SCOPE:	
	QUANTITY REQUIRED		2
	<b>Features</b>	High Resolution Color with or without narrow band imaging	
		Large instrument channel for therapeutic procedures such as EUS-guided drainage, dilation,	
		injection and laser or radiofrequency (RF) ablation therapy	
		Forward water jet system	
		Scan angle 120° or more	
		Scan Mode (B-mode/Color Doppler/ Pulse Doppler/M mode/D mode/Flow mode/)	
		Maximum number of modes desirable	
		Acoustic frequency 5-10 MHz or more switchable	
		Ultrasonic field of view 120 degrees or higher	
		Field of View 100° or more	
		Forward oblique 45°	
		Focal Range 5-100	
		Angulations up 130° Down 90° or more Right 90° or more Left 90° or more	
		Insertion Tube Diameter 12.8mm or less	
		Distal end outer diameter 14.6 mm or less	
		Channel Diameter 3.7 mm or more	
		Working Length (mm) 1250 or more	
	<b>HIGH RESOLUTION DIGITAL COLOR ULTRASOUND SCANNER FOR ENDOSCOPIC EXAMINATION</b>		
		PRICE PER UNIT:	
	QUANTITY REQUIRED		1
	<b>Features</b>	3D mode	
		Full / Central screen.	
		Computing systems	
		Digital EUS system with alpha numeric keyboard and built in trackball.	



		High frame rate	
		High Dynamic range	
		High Definition Medical Grade LED / LCD color monitor	
		Measurements & software for EUS and elastography	
		Measurement of length angle distance area circumference velocity and volume	
	<b>HIGH DEFINITION MEDICAL GRADE MONITOR LCD/LED</b>		
	PRICE PER UNIT:		
	QUANTITY REQUIRED		3
	<b>Features</b>	26" or larger high definition Medical Grade	
		16:9 aspect ratio	
		Same manufacturer as endoscope or compatible system	
	<b>GASTROESOPHAGEAL HIGH RESOLUTION SOLID STATE MANOMETRY</b>		
	PRICE PER UNIT:		
	QUANTITY REQUIRED: 1		
	Features:	A single hardware system with multiple testing modules for high-resolution impedance	
		Manometry and high resolution Anorectal Manometry	
		Modules:	
		Esophageal and Anorectal modules	
		CI ano probe and CI ano directional startup kit	
		Ambulatory reflux monitoring system	
		Trolley:	
		With computer and color Laser Printer with 24" or larger Monitor LCD.	
		Analysis Software:	
		Reusable Esophageal catheter with Software.	
		Pressure channel Catheter with Impedance channel.	
		Reusable Anorectal Catheter with software with Bio-feedback Pelvic floor	
		reconstruction. 20 Plus channel for HRAM.	
		Biofeedback module for Anorectal studies	
		Reusable ODDI Sphincter of ODI with software and catheter.	
		Patient database software + Ph analysis software + Impedance software	
	<b>Ambulatory pH-recorder</b>	Flash Card / Wireless blue tooth / USB Cable and dongle for Pc.	
	Complete with standard accessories	6 or more impedance channel + 1 PH. 10 Qty.	

		6 or more Impedance channel + 1 Ph 10 Qty.	
	SHEAR WAVE ELASTOGRAPHY OR FIBROSCAN UNIT:		
	PRICE PER UNIT:		
	QUANTITY REQUIRED		1
	Features (Shear wave elastography)	Real time elastography with colour and power doppler	
		IHE interoperability	
		DICOM compliant	
		Transducers suited for abdominal imaging	
	Features (Fibroscan):	17 inch or larger touchscreen	
		Automated probe selection, pressure indicator and liver targeting tools	
		Probes for average and overweight adults	
	CO2 INSUFFLATION UNIT:		2
	PRICE PER UNIT:		
		Same manufacturer as endoscope or compatible system	
	WATER PUMP:		2
	Features:	Same manufacturer as endoscope or compatible system	
		Water jet / flushing pump compatible with all scopes.	
		Double balloon Enteroscopy system with insufflation unit	
		Endoscopic Heater Probe	
		Endoscopic accessories/consumables	
<b>Prices Of Following Items Must Be Included In The Endoscopy Package:</b>			
		Endoscopy procedure simulation system	
		Video link system for teleconferencing:	
		Patients reporting and data collection system	
		Training of personnel/conferences	
		Recurring expenses:	
		Cost of development of separate	
		classroom/teaching area	
		Cost of development of Fluoroscopy room	
<b>Warranty:</b> Comprehensive warranty of five (05) years. <b>Country of Manufacturer:</b> USA, Europe, UK, Japan. <b>Quality Certificate:</b> Compliance of quality certificate from FDA, CE/MDD & MHLW (any one of these) is required. <b>Mode:</b> CFR/CPT and DDP (the bidder is required to quote prices on both modes i.e. CFR/CPT and DDP)			
<b>Estimated Cost:</b>			<b>12,500,000</b>

**Note:**

- Bidder Shall Quote Item Wise Cost Of Each Item/Module, Accessories And Optional Items; If Cost Of Any Item Is Missing It Will Be Considered As Free Of Cost.
- Operational, User And Service Manual In Hard & Soft Forms Are Required

- Operational Training Of Biomedical Engineers, Head Of Department And End User Is Required (Locally/Internationally)
- Service Training To Biomedical Engineer & Staff

## **SECTION-IV**

### **Evaluation Criteria & Specimens for Bid Forms**

#### **4.1: COMPULSORY PARAMETERS FOR BIDDERS' ELIGIBILITY**

#### **4.2: GENERAL PARAMETERS FOR ELIGIBILITY CRITERIA**

#### **4.3: SPECIMENS FOR BID FORMS**

## **4.1: COMPULSORY PARAMETERS FOR BIDDERS' ELIGIBILITY**

Every bidder must fill this form carefully and attach the relevant documents along-with it in the same sequence as prescribed here in this form. These criteria will describe the eligibility of bidder failing which bidder will be disqualified and no document will be received later on.

Name of the Firm.....Name of Tender .....

Date of Opening of Bids -----

<b>Sr. no</b>	<b>KNOCK OUT CLAUSES</b>	<b>YES/NO</b>	<b>PAGE#</b>
1.	Original receipt for purchase of tender.		
2.	2% of the estimated cost of quoted items in shape of CDR in the name of Dean KMSMC, Sialkot.		
3.	Certificate of Manufacturer/ Authorized distributors/ Authorized Sole Agent from Foreign Principal (in case of non drug items).		
4.	Certificates regarding quality of product in case of Electro Medical Equipment, Plant and Machinery only.		
5.	An affidavit on stamp paper of Rs. 100/- (as per sample; Bid Form-III), regarding acceptance of terms and conditions of the bid and not being blacklisted. AND that "the price quoted to this institute against the quoted items bid are not more than the prices charged from any Procurement Organization in the country and in case of discrepancy the bidder hereby undertakes to refund the price charged in excess".		
6.	Attested Copy of Certificate of General Sales Tax Number.		
7.	Attested Copy of Certificate of National Tax Number.		
8.	Service record and pay roll of the firm for last one year.		
9.	Latest tax paid, balance sheet, audit inspection report, at least one year bank statement.		

**The bid should be submitted, all pages numbered, with an index page (preferably after THE title page) and bound in a SECURED pin binding.**

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## **4.2: GENERAL PARAMETERS FOR EVALUATION OF BID**

Bidders are not supposed to fill this form. This is only for their knowledge, because they are expected to attach documentary proofs in support of each parameter with the same headings as mentioned under ‘assessment parameters’.

<b>S.no</b>	<b>Assessment Parameters</b>	<b>Total Marks</b>	<b>Remarks</b>			
1.	Certificate of Company/Firm’ Registration under the law of Pakistan.	05	-----			
2.	Relevant Business should be active for at least 3 years.	05	-----			
3.	Bank certificate not over 6 months old confirming annual credit turnover of at least PKR 100 Million.	05	-----			
4.	FDA / CE /JIS approval	05	-----			
5.	Local Stock Storage Capacity (capability of continuous supply/availability of Kits, Consumables And Spare Parts).	05	-----			
6.	Past Performance: for more than one year minimum; (in Govt. and semi govt. institutions only)	1.	1 to 2	2	10	The Claim requires documentation (purchase orders, receipt certificates and delivery challan etc.) of the institution (s)
		2.	2 to 3	4		
		3.	3 to 4	6		
		4.	4 to 5	8		
		5.	> 5	10		
7.	Market Experience in Quoted Items	1.	3-5 years	4	10	Includes experience certificate from end-users.
		2.	4-5 year	6		
		3.	Above 5 year	10		
8.	Previous Experience, if any, with KMS Medical College & Allied Institutions	1.	Best Performance	5	7.5	Authorized certificate issued by the End-User is required.
		2.	Average Performance	2.5		
		3.	Poor Performance	Rejected		
9.	Financial Position	1.	Bank statement last 2 year	5	15	Authorized certificate issued by the concerned Authority is required.
		2.	Last year Audited Balance Sheet	5		
		3.	Tax Return (last 3 year)	5		
<b>Total Marks</b>		<b>67.5</b>	-----			
<b>Qualifying Marks</b>		<b>47.25</b>	-----			
<b>Total Marks Obtained</b>		-----				

**Note: - In case the procurement comprises different categories of goods, works or services the evaluation shall be made item wise. Samples of the quoted product shall be submitted for the approval by end-user at the time of opening of technical bid. Failure of which may render bidder disqualified**

## **4.3: BID FORMS**

### **Bid Form-I**

### **TECHNICAL BID SPECIMEN**

Tender No. -----

Date-----

Name of the Supplier/Firm/Contractor: .....

Address: .....

E-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

**Following is the Technical Bid for Selected Items from the 'Schedule of Requirements and Technical Specifications':**

<b>Bid Enquiry No. (As listed in invitation of bid)</b>	<b>Name of the Tendered Item/ Generic</b>	<b>Brand Name</b>	<b>Manufacturer / Importer (With Name and Country of Origin)</b>	<b>Specifications of the quoted brands (in 100% conformance with Schedule of Requirement)</b>

#### **NOTE:-**

The bidders are required to complete this proforma exactly in conformance with the required data, failing which bid may be considered as rejected.

**Signed** -----

**Date** -----

(In the capacity of {insert: title or position})

Duly authorized to sign this bid for and on behalf of {insert: name of Bidder/Firm}

---

## Bid Form-II

### LETTER OF INTENTION (To be attached with Eligibility Criteria of Bidder)

Tender No. -----

Title of Tender/Contract -----

Date of the Opening of Bid -----

To: *[Name and address of Procuring Agency]*

Dear Sir/Madam

Having examined the bidding documents, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the goods under the about-named contract in full conformity with the said bidding documents and at the rates/unit prices described in the Price Schedule or such other sums as may be determined in accordance with such other sums as may be determined in accordance with the terms and conditions of the contract. The above amounts are in accordance with the price schedules attached herewith and are 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 undertake to provide a performance security/guaranty (if required) in the form, in the amounts and within the times specified in the bidding documents.

We agree to abide by this bid, for the Bid Validity Period specified in the Bid Data Sheet and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding contract between us.

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

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

Date -----

Signed -----

(In the capacity of {insert: title or position})

Duly authorized to sign this bid for and on behalf of {insert:  
name of Bidder/Firm}

---

## **Bid Form-III**

### **AFFIDAVIT**

**(To be attached with Eligibility Criteria of Bidder)**

I/We, the undersigned solemnly state that:

- 1) We have read the contents of the bidding document and have fully understood it.
- 2) The bid being submitted by the undersigned complies with the requirements enunciated in the bidding documents.
- 3) The items that we propose to supply under this contract are eligible items within the meaning of clause of the ITB.
- 4) The undersigned are also eligible bidders within the meaning of clause of the ITB.
- 5) The undersigned are solvent and competent to undertake the subject contract under the Laws of Pakistan.
- 6) The undersigned have not paid nor have agreed to pay, any Commissions or Gratuities to any official or agent related to this bid or award or contract.
- 7) The undersigned are not blacklisted or facing debarment from any Government, or its organization or project.

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

**Signed -----**

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

Duly authorized to sign this bid for and on behalf of *[insert: Name of Bidder/Bidding firm]*

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**Bid Form-IV**

**MANUFACTURER’S AUTHORIZATION FORM**

To,  
(Name of Procuring Agency)

**WHEREAS** [name of the Manufacturer] who are established and reputable Manufacturers of [name and/or description of the goods] having factories at [address of factory] do hereby authorize [name and address of Supplier/ Agent] to submit a bid, and subsequently negotiate and sign the Contract with you against [reference of the Invitation to Bid] for the goods manufactured by us. We hereby extend our full guarantee and warranty as per tender terms and conditions for the goods offered for supply by the above firm against this Invitation for Bids for a period of -----

**Signature** .....

**Designation** .....

**Official Stamp** .....

**Note: This letter of authority should be on the letter head 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 with ‘eligibility Criteria of Bidder’.**

---

# Bid Form-VI

## PRICE SCHEDULE

**Note:** *This form is to be filled by the Bidder for each individual item and shall submit with Financial Proposal.*

Name of the Firm: -----

Tender No. -----

Date of opening of Bid. -----

**Goods to be procured under DDP/Free delivery at consignee's end basis.**

Sr. # (As listed in invitation of bid)	Name of the Item (As listed in invitation of bid)	Make/Model and country of Manufacturer and origin	Specifications (Complete Detail)	Unit Price (Rs.& International Currency)	Sale and Other taxes (Specify the type and kind of taxes applied)	Discounts (if any)	Final Price (Inclusive of all taxes)
	<b>TOTAL PRICE</b>						

**Note:-**

Valid price lists of quoted items indicated M.R.P. and T.P. must be attached with financial proposal. In case of discrepancy between unit price and total, the unit price shall prevail.

Signature ..... Designation.....

Date ..... Official Stamp.....

### Bidder's Signature and Stamp

Name:- \_\_\_\_\_ Designation:- \_\_\_\_\_

CNIC No. \_\_\_\_\_ Address: - \_\_\_\_\_

Phone Office \_\_\_\_\_ Fax No. \_\_\_\_\_

Mobile No. \_\_\_\_\_ Email Address \_\_\_\_\_

## Bid Form-VII

### Performance Guarantee Form

To: *[Name & Address of the Procuring Agency]*

**Whereas** *[Name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No.*[number]* dated *[date]* to supply *[description of goods]* (hereinafter called “the Contract”).

**And whereas** it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a scheduled bank for the sum of 5% of the total Contract amount as a Security for compliance with the Supplier’s performance obligations in accordance with the Contract.

**And whereas** we have agreed to give the Supplier a Guarantee: Therefore we hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[Amount of the Guarantee in Words and Figures]* and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[Amount of Guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_, 2021-22.

Signature and Seal of the Guarantors/Bank

Address

Date

**Note: It should be valid for a period equal to the warranty period.  
The contract will be signed/ issued after submission of this Performance Security.**

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(THE END)