

**TENDER ENQUIRY DOCUMENT**  
FOR PURCHASE OF  
MEDICAL EQUIPMENT

**FOR AND ON BEHALF OF**  
**EMPLOYEE STATE INSURANCE CORPORATION**  
UNDER THE ADMINISTRATIVE CONTROL OF  
MINISTRY OF LABOUR AND EMPLOYMENT  
GOVT. OF INDIA

**HLL/PCD/ESIC-24-RT/10-11**



**BY**

**HLL Lifecare Limited**

**(A GOVT. OF INDIA ENTERPRISE & Formerly HINDUSTAN LATEX LTD.)**

**Procurement & Consultancy Services Division**

**B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India**

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**SECTION I****NOTICE INVITING TENDERS (NIT)****HLL LIFECARE LIMITED**

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement &amp; Consultancy Services Division

B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India

Ph: 0120-4071500; Fax: 0120-4071513

Email: [pcd@lifecarehll.com](mailto:pcd@lifecarehll.com)**1. Tender Enquiry No. HLL/PCD/ESIC-24-RT/10-11****Date: 08.03.2011**

Procurement & Consultancy Services Division of HLL Lifecare Limited (Formerly Hindustan Latex Limited), for and on behalf of Director General of Employee State Insurance Corporation (ESIC), invites sealed tenders, from eligible and qualified tenderers for supply of following **Medical Equipment** for ESIC Hospital, Peenya, Bangalore.

<b>Item Sl. No.</b>	<b>Short Description of Item</b>	<b>Qty.</b>	<b>EMD (Rs.)</b>
1	Anaesthesia Workstation	3	120,000
2	Arthroscope Set	1	120,000
3	Audiometer	1	8,000
4	Battery Operated Drill with sterilization chamber	1	50,000
5	BIPAP	2	8,000
6	Biphasic Defibrillator	6	51,000
7	Bipolar Cautery	1	15,000
8	Blood Gas Analyzer	2	28,000
9	Blood Vessel Sealer	1	15,000
10	Cold Pack Unit	1	4,000
11	Colour Doppler Digital	1	40,000
12	Combination Therapy Unit	1	7,000
13	CPM Unit	1	8,000
14	Cryo Surgical Unit	1	13,000
15	Dental Sterilizer	1	8,000
16	Dental Unit Complete	1	34,000
17	Dental X Ray	1	6,000
18	ECG Single Channel	5	2,500
19	Electro Surgical Unit	6	60,000
20	Emergency Resuscitation Kit-Adult (imported)	1	11,000
21	Fetal Monitor	2	12,000

<b>Item Sl. No.</b>	<b>Short Description of Item</b>	<b>Qty.</b>	<b>EMD (Rs.)</b>
22	Fiber Optic Bronchoscope	1	16,000
23	General Purpose Ultrasound System	1	44,000
24	Hot Pack Unit	1	4,000
25	Lensometer	1	2,000
26	Multipara Bed side Monitor/ Neonatal Monitor	11	88,000
27	O T Table for Labour O T	1	40,000
28	O T Table for Orthopaedics, Electro Hydraulic, C-Arm Compatible	2	200,000
29	O T Tables for General Surgery	3	120,000
30	OAE Tester-Hearing Screener	1	3,000
31	Operating Laparoscope Set for Gynaec	1	100,000
32	Orthopaedic Surgery Instrument Set	1	50,000
33	Pharmaceutical Refrigerator for O.T.	2	8,000
34	Pneumatic Power System	1	44,000
35	Portable Ultrasound B & W	1	14,000
36	Portable Ventilator	1	10,000
37	Portable X Ray Unit	2	12,000
38	Pulse Oximeter (baby & adult)	9	8,100
39	Slit Lamp	1	32,000
40	Streak Retinoscope	1	2,000
41	Tonometer	1	8,000
42	Traction Unit	1	10,000
43	Tympanometer	1	9,000
44	Vacuum Extractor	1	9,000
45	Ventilator Criticalcare	7	168,000
46	Video Colposcope	1	13,000
47	Volumetric Infusion Pump	13	23,400
48	Baby Warmer	1	4,800
49	Infant Resuscitator	1	10,000
50	Open Care System	1	14,000
51	Paediatric Upper GI Video Endoscope with Accessories, Video Bronchoscope (Paed) and Video Colonoscope	1	100,000
52	Transport Incubators	1	14,000

## 2. Tender No.: HLL/PCD/ESIC-24RT/10-11

SI No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	09.03.2011 to 07.04.2011, in all working days, during 10:00am to 4:00pm
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited Procurement & Consultancy Services Divn. B-14A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3,000.00/ USD 75.00
iv.	Time and date of Pre-bid meeting	16.03.2011, 11:00am
v.	Closing date & time for receipt of Tender	<b>08.04.2011, 2:00pm</b>
vi.	Time and date of opening of Techno-Commercial tenders	08.04.2011, 2:30pm
vii.	Venue for Pre-bid Meeting & Techno- Commercial Tender Opening	Same as given in 2 (ii)

3. Interested tenderers may obtain further information about this tender from the office of Head (P&CD), HLL Lifecare Ltd., Noida. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs. 3,000.00/ USD 75.00 per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of "**HLL Lifecare Limited**" payable at New Delhi.
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100.00 for domestic post and USD 50.00 for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above. However, HLL Lifecare Ltd. shall not be responsible for any postal loss/delay.
5. Tenderer may also download the tender enquiry documents from the web site [www.esic.nic.in](http://www.esic.nic.in) or [www.lifecarehll.com](http://www.lifecarehll.com) and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above
7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector-62, Noida -201307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late tender and rejected. The tenders sent by post/ courier must reach the above said address on or before the closing date & time indicated in Para 2 above, failing which the tenders will be treated as late tender and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.

9. The Tender Enquiry Documents are not transferable.
10. All Tenders must be accompanied by EMD as mentioned against each item. Tenders without EMD shall be rejected.

**Head (P & CD)  
HLL Lifecare Limited,  
Procurement and Consultancy Division  
B-14A, Sector -62, Noida -201307,  
Uttar Pradesh.**

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## A. PREAMBLE

### 1. Definitions and Abbreviations

1.1 The following definitions and abbreviations, which have been used in these documents shall have the meanings as indicated below:

#### 1.2. Definitions:

- (i) “Purchaser” means the organization purchasing goods and services as incorporated in the Tender Enquiry document.
- (ii) “Tender” means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder.
- (iii) “Tenderer” means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender
- (iii) “Supplier” means the individual or the firm supplying the goods and services as incorporated in the contract.
- (iv) “Goods” means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, industrial plant etc. which the supplier is required to supply to the purchaser under the contract.
- (v) “Services” means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (vi) “Earnest Money Deposit” (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- (vii) “Contract” means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.
- (viii) “Performance Security” means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
- (ix) “Consignee” means the Hospital/Dispensaries/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that “another” person is the consignee, also known as ultimate consignee.
- (x) “Specification” means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xi) “Inspection” means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.
- (xii) “Day” means calendar day.

#### 1.3 Abbreviations:

- (i) “T E Document” means Tender Enquiry Document
- (ii) “NIT” means Notice Inviting Tenders.
- (iii) “GIT” means General Instructions to Tenderers
- (iv) “SIT” means Special Instructions to Tenderers
- (v) “GCC” means General Conditions of Contract
- (vi) “SCC” means Special Conditions of Contract

- (vii) “DGS&D” means Directorate General of Supplies and Disposals
- (viii) “NSIC” means National Small Industries Corporation
- (ix) “PSU” means Public Sector Undertaking
- (x) “CPSU” means Central Public Sector Undertaking
- (xi) “LSI” means Large Scale Industry
- (xii) “SSI” means Small Scale Industry
- (xiii) “LC” means Letter of Credit
- (xiv) “DP” means Delivery Period
- (xv) “BG” means Bank Guarantee
- (xvi) “ED” means Excise Duty
- (xvii) “CD” means Custom Duty
- (xviii) “VAT” means Value Added Tax
- (xix) “CENVAT” means Central Value Added Tax
- (xx) “CST” means Central Sales Tax
- (xxi) “RR” means Railway Receipt
- (xxii) “BL” means Bill of Lading
- (xxiii) “FOB” means Free on Board
- (xxiv) “FCA” means Free Carrier
- (xxv) “FOR” means Free On Rail
- (xxvi) “CIF” means Cost, Insurance and Freight
- (xxvii) “CIP (Destinations)” means Carriage and Insurance Paid up to named port of destination. Additionally the Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.
- (xxviii) “DDP” means Delivery Duty Paid named place of destination (consignee site)
- (xxix) “INCOTERMS” means International Commercial Terms as on the date of Tender Opening
- (xxx) ”ESIC” means Employee State Insurance Corporation.
- (xxxi) “DG” means Director General of ESIC under the administrative control of Ministry of Labour and Employment
- (xxxii) “CMC” means Comprehensive Maintenance Contract (labour, spare and preventive maintenance)
- (xxxiii) “RT” means Re-Tender.

## 2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – “List of Requirements”, which also indicates, *interalia*, the required quantity, delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - “General Instructions to Tenderers”) provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.
- 2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

**3. Deleted****4. Language of Tender**

4.1 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, shall be written in the English language, unless otherwise specified in the Tender Enquiry. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by a notarised English translation and, for purposes of interpretation of the tender, the English translation shall prevail.

4.2 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, may also be written in the Hindi language, provided that the same are accompanied by notarised English translation, in which case, for purpose of interpretation of the tender etc, the English translations shall prevail.

**5. Eligible Tenderers**

This invitation for tenders is open to all suppliers who fulfil the eligibility criteria specified in these documents.

**6. Eligible Goods and Services**

All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term “origin” used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

**7. Tendering Expense**

The tenderer shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. The purchaser will, in no case be responsible or liable for any such cost, expenditure etc regardless of the conduct or outcome of the tendering process.

**B. TENDER ENQUIRY DOCUMENTS****8. Content of Tender Enquiry Documents**

8.1 In addition to Section I – “Notice inviting Tender” (NIT), the TE documents include:

Section II	– General Instructions to Tenderers (GIT)
Section III	– Special Instructions to Tenderers (SIT)
Section IV	– General Conditions of Contract (GCC)
Section V	– Special Conditions of Contract (SCC)
Section VI	– List of Requirements
Section VII	– Technical Specifications
Section VIII	– Quality Control Requirements
Section IX	– Qualification Criteria
Section X	– Tender Form
Section XI	– Price Schedules
Section XII	– Questionnaire
Section XIII	– Deleted
Section XIV	– Manufacturer’s Authorisation Form
Section XV	– Bank Guarantee Form for Performance Security/CMC Security
Section XVI	– Contract Forms A & B
Section XVII	– Proforma of Consignee Receipt Certificate

Section XVIII – Proforma of Final Acceptance Certificate by the consignee  
 Section XIX – Details of Shipping arrangement for Liner Cargoes in respect of  
 C&F/CIF/Turnkey/F.O.R. Contracts for Import  
 Section XX – Check List for the Tenderers  
 Section XXI – Consignee List

8.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers are expected to examine all such details before submission of the tender.

9. Deleted

**10. Clarification of TE documents**

A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing. The purchaser will respond to such request provided the purchaser receives the same minimum 1 (one) hour prior to the scheduled time of pre-bid meeting. Clarification for the same will be published on the websites as mentioned in para 5 of NIT (Section I) within 4 days after the prebid meeting.

## **C. PREPARATION OF TENDERS**

**11. Documents Comprising the Tender**

11.1 The **Two Tender System**, i.e. “Techno – Commercial Tender” and “Price Tender” prepared by the tenderer shall comprise the following:

**A) Techno – Commercial Tender (Un priced Tender)**

- i) Earnest money furnished in accordance with GIT clause 19.
- ii) Tender Form as per Section X.
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer’s Authorisation in the prescribed format as per Section - XIV.
- v) Power of Attorney/Authorisation in favour of signatory of TE documents.
- vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- vii) Performance Statement as per section IX along with relevant copies of purchase orders and end users’ satisfaction certificate.
- viii) Price Schedule(s) as per Section XII filled up with all the details including Qty., Make, Model, Contry of origin, etc. of the goods offered with prices blank (without indicating any prices).
- ix) Certificate of Incorporation of the bidder.
- x) Checklist as per Section XX.
- xi) Statement of deviations parameter wise from tendered technical specifications, if any.

**B) Price Tender:**

The information given at clause no. 11.1 A)- viii) above should be reproduced with the prices indicated.

**N.B.**

1. All pages of the Tender should be page numbered and indexed.
2. It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.

- 11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender.
- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

**12. Tender currencies**

- 12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currencies say USD, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 Tenders, where prices are quoted in any other way shall be treated as non-responsive and rejected.

**13 Tender Prices**

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, it should be clarified as "NA" by the tenderer.
- 13.2 The tenderer has the option to submit its quotation for any one or more item (s) in the List of Requirements. However, separate sealed cover to be used for each item for price bid.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.

The price quoted by the tenderer for indigenous goods shall not be higher than the lowest price charged for the goods of the same nature, class or description to an individual/ firm/ organisation or department of Govt. of India.

For imported goods, the price quoted shall not be higher than the lowest price charged by the tenderer for the goods of the same nature, class or description to a purchaser, domestic or foreign or to any organisation or department of Govt. of India.

If it is found at any stage that the goods as stated have been supplied at a lower price, then that price, with due allowance for elapsed time will be applicable to the present case and the difference in cost would be refunded by the supplier to the purchaser, if the contract has already been concluded.

- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

**13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:**

- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
- b) any sales or other taxes and any duties including excise duty, which will be payable on the finished goods in India if the contract is awarded;
- c) charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
- d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
- e) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) the price of CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

**13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:**

- a) the price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Price Schedule;
- b) the amount of freight and insurance and price of goods quoted CIP port of entry in India as indicated in the List of Requirements and Price Schedule;
- c) the **price of goods quoted should be on DDP basis at consignee site in India** as indicated in the List of Requirements, Price Schedule and Consignee List;
- d) wherever applicable, the amount of custom duty with CDEC applicable on CIP value on the goods to be imported; ESIC will issue Customs Duty Exemption Certificate (CDEC) where applicable.
- e) the charges for Loading/Unloading, Inland transportation, Insurance and other local costs, Incidental cost to delivery of the goods from the port of entry in India to Consignee Site, as specified in the List of Requirements and Price Schedule;
- f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;
- g) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- h) the price of CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

**13.5 Additional information and instruction on Duties and Taxes:**

13.5.1 If the Tenderer desires to ask for excise duty, sales tax/ VAT, Service Tax, Works Contract Tax etc. to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

**13.5.2 Excise Duty:**

- a) If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.

- b) If a Tenderer chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.
- c) Subject to sub clauses 13.5.2 (a) & (b) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

#### 13.5.3 Sales Tax:

If a tenderer asks for sales tax/ VAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The sales tax / VAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax / VAT, Service Tax and Works Contract Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

#### 13.5.4 Octroi Duty and Local Duties & Taxes:

Octroi duty, terminal tax and other levies of local bodies (like town body, municipal body etc.) if not exempted shall be reimbursed to the supplier on production of such proof of payment along with the final bill.

#### 13.5.5 Customs Duty:

The tenderer shall quote the Customs duty wherever applicable, considering availability of CDEC. The applicable rates and amount of the Custom Duty and the corresponding Indian Customs Tariff number should be shown separately in the price schedule. In case of non-availability of CDEC, the supplier has to custom cleared the goods paying the applicable Custom Duty and any difference of duty from the applicable CDEC rate shall be reimbursed separately on production of such proof of payment alongwith the final bill.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

### **14. Indian Agent**

- 14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:

- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
- b) The details of the services to be rendered by the agent for the subject requirement.
- c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.

## **15. Firm Price**

- 15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- 15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

## **16. Deleted**

## **17 Documents Establishing Tenderer's Eligibility and Qualifications**

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
  - a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under **Section XIV** in this document.
  - b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
  - c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.
  - d) in case the tenderer is an Indian agent/authorized representative quoting on behalf of a foreign manufacturer for the **restricted item**, the Indian agent/authorized representative is already enlisted under the Compulsory Enlistment Scheme of Ministry of Finance, Govt. of India, operated through Directorate General of Supplies & Disposals (DGS&D), New Delhi.

## **18. Documents establishing Good's Conformity to TE document.**

- 18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.
- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.



18.3 If a tenderer furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

## 19. Earnest Money Deposit (EMD)

19.1 Pursuant to GIT clauses 8.1 and 11.1(A) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.

19.2 Deleted

19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. **The earnest money shall not be accepted in any other form except the following:**

- i. Account Payee Demand Draft or
- ii. Banker's cheque

19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HLL Lifecare Limited" payable at New Delhi.

19.5 Deleted.

19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.

19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

## 20. Tender Validity

20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of **120 days (One hundred and twenty days)** after the date of opening of techno-commercial tenders prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ email followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, however, may not agree to extend its tender validity without forfeiting its EMD.

20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

## 21. Signing and Sealing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.

- 21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as “Original” and “Duplicate”. Duplicate tenders may contain all pages including Technical Literature/Catalogues as in Original tenders.
- 21.3 The original and duplicate copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 21.5 The tenderer is to seal the original and copy of the tender in separate envelopes, duly marking the same as “Original”, “Duplicate” and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence “NOT TO BE OPENED” before \_\_\_\_\_ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope along with envelope containing EMD, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **‘Techno - Commercial Tender’**, and the second part **‘Price Tender’** as specified in clause 11 of GIT. Tenderer shall seal **‘Techno - Commercial Tender (along with envelope containing EMD)’** and **‘Price Tender’** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

## D. SUBMISSION OF TENDERS

### 22. Submission of Tenders

- 22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector - 62, Noida -201307, Uttar Pradesh**. In case of bulky tender, which can not be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector -62, Noida - 201307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.
- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

### 23. Late Tender

- 23.1 A tender, which is received after the specified date and time for receipt of tenders will be treated as “late” tender and will be ignored.

### 24. Alteration and Withdrawal of Tender

- 24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender,

within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

- 24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

## E. TENDER OPENING

### 25. Opening of Tenders

- 25.1 The purchaser will open the tenders at the specified date and time and at the specified place as indicated in the NIT.

In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.

- 25.2 **Authorized representatives of the tenderers**, who have submitted tenders on time **may attend the tender opening** provided they bring with them **letters of authority from the corresponding tenderers**.

The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.

- 25.3 **Two-Tender system as mentioned in para 21.6 above will be as follows.** The **Techno-Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Tenders of only the Techno-Commercially acceptable offers shall be opened at a latter date which will be notified to such tenderers. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out.

## F. SCRUTINY AND EVALUATION OF TENDERS

### 26. Basic Principle

- 26.1 Tenders will be evaluated on the basis of the terms & conditions already incorporated in the TE document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

### 27. Preliminary Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 Deleted.
- 27.3 Deleted

- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive and will be summarily ignored;
- (i) Tender form as per Section X (signed and stamped) not enclosed
  - (ii) Tender is unsigned.
  - (iii) Tender validity is shorter than the required period.
  - (iv) Required EMD have not been provided.
  - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer’s Authorisation as per Format given in Section XIV.
  - (vi) Tenderer has not agreed to give the required performance security.
  - (vii) Goods offered are not meeting the tender enquiry specification.
  - (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, DDP clause, Delivery period clause, dispute resolution mechanism applicable law.
  - (ix) Poor/ unsatisfactory past performance.
  - (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
  - (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
  - (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements for the quoted item (s).

28. Deleted

### 29 Discrepancies in Prices

- 29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

### 30. Discrepancy between original and copies of Tender

In case any discrepancy is observed between the text etc. of the original copy and that in the other copies of the same tender set, the text etc. of the original copy shall prevail.

### 31. Qualification Criteria

Tenders of the tenderers, who do not meet the required Qualification Criteria prescribed in Section IX, will be treated as non-responsive and will not be considered further.

### 32. Conversion of tender currencies to Indian Rupees

In case the TE document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the exchange rates established by the Reserve Bank of India for similar transactions, **as on the date of ‘Price Tender’ opening.**

33. Deleted

**34. Comparison of Tenders**

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on **Delivery Duty Paid (DDP)** consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation.

**35. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders**

35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:

- i) In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, Customs Duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
- ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

35.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.

35.3 Deleted

**36. Tenderer's capability to perform the contract**

36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one item in the List of Requirements, then, such determination will be made separately for each item.

36.2 The above-mentioned determination will, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

**37. Contacting the Purchaser**

37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

**G. AWARD OF CONTRACT****38. Purchaser's Right to accept any tender and to reject any or all tenders**

The purchaser reserves the right to accept in part or in full any tender or reject any or more tender(s) without assigning any reason or to cancel the tendering process and reject all tenders at

any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

**39. Award Criteria**

Subject to GIT clause 38 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by the purchaser in terms of GIT Clause 36.

**40. Variation of Quantities at the Time of Award/ Currency of Contract**

40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" without any change in the unit price and other terms & conditions quoted by the tenderer.

40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract or within one-year from the date of Notification of Award.

**41. Notification of Award**

41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within twenty-one (21) days from the date of dispatch of this notification, failing which the EMD will be forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

41.2 The Notification of Award shall constitute the conclusion of the Contract.

**42. Issue of Contract**

42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser by registered / speed post.

42.3 The Purchaser reserves the right to issue the Notification of Award consignee wise.

**43. Non-receipt of Performance Security and Contract by the Purchaser/Consignee**

Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for forfeiture of its EMD and, also, for further actions by the Purchaser/Consignee against it as per the clause 24 of GCC – Termination of default.

**44. Return of E M D**

The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 19.6.

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**45. Publication of Tender Result**

The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the notice board/bulletin/web site of the purchaser.

**46. Corrupt or Fraudulent Practices**

It is required by all concerned to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
  - (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
  - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

**SECTION - III**  
**SPECIAL INSTRUCTIONS TO TENDERERS**  
**(SIT)**

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/substitute/supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.



**SECTION - IV****GENERAL CONDITIONS OF CONTRACT (GCC)****TABLE OF CLAUSES**

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## GENERAL CONDITIONS OF CONTRACT (GCC)

### 1. Application

The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract prescribed under Section V, List of requirements under Section VI and Technical Specification under Section VII of this document.

### 2. Use of contract documents and information

2.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this TE document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.

2.2 Further, the supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC sub-clause 2.1 above except for the sole purpose of performing this contract.

2.3 Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 2.1 above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier's performance and obligations under this contract.

### 3. Patent Rights

The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trade marks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

### 4. Country of Origin

4.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

4.2 The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.

4.3 The country of origin may be specified in the Price Schedule

### 5. Performance Security

5.1 Within twenty-one (21) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, **valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.**

5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

- a) It shall be in any one of the forms namely Account Payee Demand Draft drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the

prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee.

- b) In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee.

- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Comprehensive Maintenance Contract as per the 'Contract Form - B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

## **6. Technical Specifications and Standards**

- 6.1 The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' and 'Quality Control Requirements' under Sections VII and VIII of this document.

## **7. Packing and Marking**

- 7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.
- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.
- 7.3 Packing instructions:

Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a. contract number and date
- b. brief description of goods including quantity
- c. packing list reference number
- d. country of origin of goods

- e. consignee's name and full address and
- f. supplier's name and address

## **8. Inspection, Testing and Quality Control**

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

## **9. Terms of Delivery**

Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

## **10. Transportation of Goods**

**10.1 Instructions for transportation of imported goods offered from abroad:**

The supplier shall not arrange part-shipments and/or transshipment without the express/prior written consent of the purchaser. The supplier is required under the contract to deliver the goods under DDP at consignee site; the shipment shall be made by Indian flag vessel or by vessels belonging to the conference lines in which India is a member country through India's forwarding agents/coordinators. In case the forwarding agent/coordinators are unable to provide timely adequate space in Indian flag vessel or by vessels belonging to the conference lines, the supplier shall arrange shipment through any available vessel to adhere to the delivery schedule given in the contract.

In case of airlifting of imported goods offered from abroad, the same will be done only through the National Carrier i.e. Air India wherever applicable. In case the National Carrier is not available, any other airlines available for early delivery may be arranged.

Goods will be custom cleared by the supplier/ Indian agent and transported to the consignee's site as per the contract terms.

Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:

In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.

The goods shall be custom cleared by the Supplier/ Indian Agent and transported to the consignee's site as per contract terms. The supplier shall be responsible for safe and timely delivery of ordered goods under his own arrangement.

**11. Insurance:**

Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

- i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.
- ii) in case of supply of the imported goods on DDP Basis, the supplier shall arrange and pay for marine/ air insurance making the consignee as beneficiary. The additional extended Insurance (local transportation and storage) would also be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery.

**12. Spare parts**

**12.1** If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:

- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and

- b) In case the production of the spare parts is discontinued:
- i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
  - ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Purchaser/Consignee promptly on receipt of order from the Purchaser/Consignee.

### 13. Incidental services

Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.

- i) Installation & commissioning, Supervision and Demonstration of the goods
- ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
- iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
- iv) Supplying required number of operation & maintenance manual for the goods

### 14. Distribution of Dispatch Documents for Clearance/Receipt of Goods

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee

Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

A) For Domestic Goods, including goods already imported by the supplier under its own arrangement

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Two copies of packing list identifying contents of each package;
- (iii) Inspection certificate issued by the nominated Inspection agency, if any.
- (iv) Certificate of origin;
- (v) Insurance Certificate as per GCC Clause 11.
- (vi) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

B) For goods imported from abroad

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the

following documents to them by airmail/ registered post / speed post (or as instructed in the contract).

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11.
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch
- (vii) Manufacturer's own factory inspection report;
- (viii) Certificate of origin
- (ix) Port of Loading;
- (x) Port of Discharge and
- (xi) Expected date of arrival.

## 15. Warranty

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 This **warranty shall remain valid for 2 (Two) years** in general, after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the Purchaser/Consignee in terms of the contract, **unless specified otherwise in the SCC.**
- a. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
  - b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following items:-
    - i. X-ray and CT tubes and high-tension cables.
    - ii. Helium replacement
    - iii. Any kind of motor
    - iv. Plastic & Glass parts
    - v. All kinds of sensors including oxygen sensors
    - vi. All kinds of coils, probes and transducers including ECG cable, BP transducers, SpO2 Probes, Ultrasound and Color Doppler Transducers/probes, BP Cuffs, Defibrillator internal paddles, chart recorders, ventilator reusable patient circuits, servo humidifier with chamber, electrodes and probes for blood gas analyser, MRI coils.
    - vii. All kinds of flat panel sensors and cassettes for Digital Radiography & Computer Radiography systems and patients handling trolleys, etc.
    - viii. Printers and imagers including laser and thermal printers with all parts.
    - ix. UPS including the replacement of Batteries.
    - x. Air-conditioners
  - c. Replacement and repair will be under taken for the defective goods.
  - d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the **warranty for the rectified/replaced goods shall be extended to a further period as mentioned under clause 15.2** from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into **Annual Comprehensive Maintenance Contract** between Consignee and the Supplier for the period as mentioned in General Points for Technical Specifications, **Section VII (para-4)**, after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for **10 years** from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

## **16. Assignment**

- 16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.

## **17. Sub Contracts**

- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

## **18. Modification of contract**

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
  - b) Mode of packing,
  - c) Incidental services to be provided by the supplier



- d) Mode of despatch,
- e) Place of delivery, and
- f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

## **19. Prices**

19.1 Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender and incorporated in the contract except for any price adjustment authorised in the SCC.

## **20. Taxes and Duties**

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.

20.2 Further instruction, if any, shall be as provided in the SCC.

## **21. Terms and Mode of Payment**

### **21.1 Payment Terms**

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

#### **A) Payment for Domestic Goods Or Foreign Origin Located Within India.**

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

##### **a) On delivery:**

90 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any;
- (v) Insurance Certificate as per GCC Clause 11;
- (vi) Certificate of origin.

##### **b) On Acceptance:**

Balance 10 % payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

#### **B) Payment for Imported Goods:**

Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:

**a) On delivery:**

Ninety (90) % of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill , marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent within 24 hours to all concerned as per the contract;
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Manufacturer's own factory inspection report and
- (vii) Certificate of origin by the chamber of commerce of the concerned country;
- (viii) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch.
- (ix) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee

**b) On Acceptance:**

Balance payment of 10 % of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any.

- c) Payment of custom duty amount with Custom Duty Exemption Certificate (CDEC), if applicable, customs clearance and handling charges, loading/ unloading, inland transportation, incidental costs till consignee site & incidental services (including installation & commissioning, supervision, demonstration and training) will be paid in Indian Rupees to the Indian agent at actual not exceeding the quoted rates after 100 % payment to the foreign principal.**

**d) Payment of Indian Agency Commission:**

Indian Agency commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. Payment shall be made after 100% payment to the Foreign Principal.

**C) Payment of Turnkey, if any:**

Turnkey payment will be made to the manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. Payment shall be made to the Indian Agent after 100 % payment to the Foreign Principal.

**D) Payment for Annual Comprehensive Maintenance Contract (CMC) Charges:**

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Irrevocable & non-transferable LC shall be opened by ESIC/ Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the purchaser.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
  - (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
  - (b) Delay in supplies, if any, has been regularized.
  - (c) The contract price where it is subject to variation has been finalized.
  - (d) The supplier furnishes the following undertakings:

"I/We, \_\_\_\_\_ certify that I/We have not received back the Inspection Note duly received by the consignee or any communication from the purchaser or the consignee about non-receipt, shortage or defects in the goods supplied. I/We \_\_\_\_\_ agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment.

**22. Delay in the supplier's performance**

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
  - (i) imposition of liquidated damages,

- (ii) forfeiture of its performance security and  
(iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
  - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
  - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before dispatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

### **23. Liquidated damages**

- 23.1 Subject to GCC clause 26, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24.

During the above-mentioned delayed period of supply and / or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply.

### **24. Termination for default**

- 24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to

perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.

- 24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.
- 24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

## **25. Termination for insolvency**

- 25.1 If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the Purchaser/Consignee.

## **26. Force Majeure**

- 26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.
- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

## **27. Termination for convenience**

- 27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 27.2 The goods and services that are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be

accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:

- a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
- b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

## **28. Governing language**

- 28.1 The contract shall be written in English language following the provision as contained in GIT clause 4. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

## **29. Notices**

- 29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

## **30. Resolution of disputes**

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. The jurisdiction for the settlement of disputes will be at New Delhi, India.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer, appointed to be the arbitrator by the Director General of ESIC. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One Lac (Rs. 1,00,000/-)
- 30.3 Venue of Arbitration: The venue of arbitration shall be New Delhi, India.

## **31. Applicable Law**

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

## **32. General/ Miscellaneous Clauses**

- 32.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 32.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 32.3 The Supplier shall notify the Purchaser/Consignee of any material change would impact on performance of its obligations under this Contract.

- 
- 32.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 32.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 32.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 32.7 All claims regarding indemnity shall survive the termination or expiry of the contract

**SECTION – V****SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below.

These Special Conditions will modify/substitute/supplement the corresponding (GCC) clauses. Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

**For GCC Clause No. 15.8:**

**After completion of Warranty period Annual Comprehensive Maintenance Contract (CMC) to be quoted as mentioned in General Technical specifications Section VII (Para-4) for all the items except for Item Sl. Nos. 10, 24 & 32.**



**SECTION - VI**  
**LIST OF REQUIREMENTS**

**Part I:**

<b>Item Sl. No.</b>	<b>Short Description of Item</b>	<b>Qty.</b>
1	Anaesthesia Workstation	3
2	Arthroscope Set	1
3	Audiometer	1
4	Battery Operated Drill with sterilization chamber	1
5	BIPAP	2
6	Biphasic Defibrillator	6
7	Bipolar Cautery	1
8	Blood Gas Analyzer	2
9	Blood Vessel Sealer	1
10	Cold Pack Unit	1
11	Colour Doppler Digital	1
12	Combination Therapy Unit	1
13	CPM Unit	1
14	Cryo Surgical Unit	1
15	Dental Sterilizer	1
16	Dental Unit Complete	1
17	Dental X Ray	1
18	ECG Single Channel	5
19	Electro Surgical Unit	6
20	Emergency Resuscitation Kit-Adult (imported)	1
21	Fetal Monitor	2
22	Fiber Optic Bronchoscope	1
23	General Purpose Ultrasound System	1
24	Hot Pack Unit	1
25	Lensometer	1
26	Multipara Bed side Monitor/ Neonatal Monitor	11
27	O T Table for Labour O T	1
28	O T Table for Orthopaedics, Electro Hydraulic, C-Arm Compatible	2
29	O T Tables for General Surgery	3

Item Sl. No.	Short Description of Item	Qty.
30	OAE Tester-Hearing Screener	1
31	Operating Laparoscope Set for Gynaec	1
32	Orthopaedic Surgery Instrument Set	1
33	Pharmaceutical Refrigerator for O.T.	2
34	Pneumatic Power System	1
35	Portable Ultrasound B & W	1
36	Portable Ventilator	1
37	Portable X Ray Unit	2
38	Pulse Oximeter (baby & adult)	9
39	Slit Lamp	1
40	Streak Retinoscope	1
41	Tonometer	1
42	Traction Unit	1
43	Tympanometer	1
44	Vacuum Extractor	1
45	Ventilator Crticalcare	7
46	Video Colposcope	1
47	Volumetric Infusion Pump	13
48	Baby Warmer	1
49	Infant Resuscitator	1
50	Open Care System	1
51	Paediatric Upper GI Vedio Endoscope with Accessories, Video Bronchoscope (Paed) and Video Colonoscope	1
52	Transport Incubators	1

## Part II: Required Delivery Schedule:

### a) For Indigenous goods or for imported goods if supplied from India:

Within **60 days** from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

### b) For Imported goods directly from abroad:

Within **90 days** from date of opening of L/C. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

**Part III: Scope of Incidental Services:**

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13. Installation & Commissioning shall be completed within 15 days of handing over the site of installation, complete in all respect by the consignee. The date of handing over of the site has to be intimated by the supplier to the purchaser. The delay on the part of the supplier to install and commission the equipment will attract the provisions as contained in the liquidated damage clause.

**Part IV:**

Turnkey (if any) as per details in Technical Specification. The tenderer shall also specify the time schedule for completion of Turnkey work.

**Part V:**

Annual Comprehensive Maintenance Contract (CMC) as per details in General Technical Specifications para 4.

**Part VI:****Required Terms of Delivery and Destination.****a) For Indigenous goods or for imported goods if supplied from India:**

Delivery required at Consignee Site.

Insurance (local transportation and storage) would be borne by the Supplier from warehouse to the consignee site for a period including 3 months beyond date of delivery

**b) For Imported goods directly from abroad:**

The foreign tenderers are required to quote their rates on DDP at consignee's site basis giving break up of the price as per the Proforma prescribed in the Price Schedule.

Custom clearance, handling, unloading & loading and transportation to the consignee's site shall be the responsibility of the supplier/ Indian agent.

Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

**c) Destination/Consignee details are given in Section XXI****Part VII:****Inspection:****a) For Indigenous goods or for imported goods if supplied from India:**

At consignee site by the respective In-charge of the Hospital or his authorised representative.

**b) For Imported goods directly from abroad:**

Pre-despatch inspection at manufacturer's premises as per GCC clause 8.8 and inspection after arrival in India at consignee site by the respective In-charge of the Hospital or his authorised representative.

## Section – VII

# Technical Specifications

### Item No. 1

#### Anaesthesia Workstation

Technical specifications:

Anesthesia system should be high end three gas system with three gas Oxygen, Nitrous Oxide and Medical Air

double scale flowmeter with high and low flow and minimal flow provisions.

Should have an independent Oxygen flow meter for Oxygen delivery and an integrated variable flow suction unit.

System should have at least three drawers and an additional writing surface that can be easily accessed.

Drawers shall have the ability to lock , and shall be easily removed for the purposes of cleaning and sterilisation.

Pipeline, cylinder and Airway pressures should all be displayed on colour coded gauges and be visible at all times during operation.

Should have provision to attach 2 cylinders 1 each for O<sub>2</sub> and N<sub>2</sub>O.

Should have facility of delivering basal flow of oxygen on switching on the machine.

System should have a second user accessible port for extraction of Anesthetic gas when using a nonrebreathing

patient circuit. System should also provide the option of returning sample gas to the scavenging system with a dedicated port.

A single pneumatic/electric on/off switch should activate the gas flow and vaporization.

The unit should have a battery back up facility for the ventilator in the event of power failure and should operate for a minimum of one hour.

In the event of complete power loss and battery failure it shall still be possible to manually ventilate and deliver anaesthetic agent.

System should have easily accessible common gas outlet in the event of an emergency and for use of alternate breathing circuits.

Should have unlockable Oxygen flush to deliver oxygen flow of approximately 40l/min.

Should have built in safety features like O<sub>2</sub> failure alarm, N<sub>2</sub>O cutoff, Low O<sub>2</sub> pressure etc.,

Should have motion sensitive back lighting for vaporizer dial adjustment. Should also have mandatory illumination of the writing table.

The frame should have integrated power outlets to supply a minimum of four external devices.

Should have locking of the front castors by a single central brake mechanism.

#### Gas Flow

The unit shall have a mechanical hypoxic guard system to control the ratio of Oxygen and Nitrous oxide to

ensure a minimum of 25% of oxygen delivery at all times to avoid delivery of hypoxic mixture.

It shall be possible to deliver Air with only basal flow oxygen independent of the above mentioned hypoxic control.

Gas flow shall be controlled mechanically to avoid errors during power failure and electronic malfunction.

Visual display of the gas flow shall be by physical means independent of electrical power.

Cascade or dual flow tubes should be available for all gases to allow suitable resolution and accurate control at low total fresh gas flows.

Flow meters should have backlight and antiglare illumination.

The unit should have an independent measurement and display of fresh gas flow offering safety for low and minimal flow anaesthesia.

A bag arm with height and positional adjustment shall be available as an option.

#### Vaporizers

The unit should accommodate two vaporizers for anesthetic agent delivery to allow easy selection of agent to

be used. A third vaporiser storage area shall be available as an option.

Vaporiser should be selectatec type, tool free installation and vaporiser of user choice can be mounted at will

with interlocking facility to allow operation of only one vaporiser at one time.

Vaporizers supplied with the unit shall be routine maintenance free for the life of the product.

Should provide Isoflurane and Sevoflurane key filled vaporisers.

#### Breathing System

All parts of the breathing system that are in contact with patient gas should be latex free and autoclavable.

Should not require tools when dismantled for cleaning and sterilization.

Should accept large and small volume absorber canisters.

The ventilator bellows shall be clearly visible and should ascend on expiration to provide a quick visual indicator for system leaks.

Breathing system should have the option of CO<sub>2</sub> Absorber bypass control that will allow the absorber canisters to be removed without introducing system leaks.

Should have bag / vent selecting valve integrated onto the absorber and should automatically turn on the ventilator when positioned to vent mode.

#### Ventilator

Ventilator should be pneumatically driven, electronically controlled and should be ascending bellows type.

Ventilator should automatically change drive gas should there be a gas depletion.

Ventilator shall have a color display with touch screen user interface.

Ventilator should have the following ventilation abilities, volume control, decelerating flow pressure control, SIMV with pressure support and pressure support.

Ventilator should be capable of ventilating diverse range of patient groups from neonates to adult patients with

restrictive airways with tidal volume range between 20 ml to 1500 ml with single bellows system.

Assisted modes of breathing should be flow triggered.

Ventilator should have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.

Ventilator should have a leak and compliance test that can be done independently of the full system check.

On switching on, the ventilator system should be able to and shall give the user a choice of doing a unit test or bypassing in the case of an emergency.

Ventilator shall compensate for fresh gas flow and compliance of the entire circuit dynamically.

Measurement at the patient end of the circuit ( sensor at the patient end) should be provided to compensate for

small leakages and compressible volume variability that occur during ventilation.

User should also have the option of setting a pre set compliance correction where similar circuits are used constantly.

Should provide constant fresh gas flow into the breathing circuit during the inspiratory phase as mandatory.

Ventilator should have the ability to set and store a hospital default as well as individual user preferences for

easy selection of ventilation parameters and include screen layout, alarm preferences and ventilation

settings.

User should be able to set their own password.

Apnea alarms must be user adjustable to allow for all operating conditions and phases during Anesthesia.

Ventilator should have the ability to display and store Patient Spirometry loops including Flow-Volume and Pressure Volume curves.

Ventilator should also display waveforms for flow and airway pressure.

Ventilator should display measured fresh gas independent of the flow meters.

Ventilator should display a dynamic compliance measurement.

Integrated Monitoring system:

Anesthesia Monitoring system should be of modular type and capable of monitoring adult, pediatric and

neonatal patients. Should be from the same manufacturer as of the anesthesia system.

Monitor should have minimum 19" independent flat panel display with multi color touch screen user interface

to ensure all parameters are visible simultaneously.

Module rack / housing should be independent and should be able to be placed near to the patient.

Should be capable of 8 traces display. Should have facility to monitor: ECG, NIBP, SpO<sub>2</sub>, Respiration,

Invasive pressures (3), temperatures (2), Capnography and Bispectral index. Should have Cardiac output port enabled.

Should have automatic identification and measurement of anesthetic agents, EtCo<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>O and MAC value.

Should have depth of anesthesia monitoring using Bispectral index.

Cardiac output monitoring facility with all accessories.

ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia

monitoring on all 12 leads

Inbuilt ST segment analysis and arrhythmia detection for all the leads should be available.

Should have haemodynamic, oxygenation and drug dose calculations.

EtCO<sub>2</sub> should have both mainstream and side stream in one module.

Respiration should be available with Cardio Vascular Artifact filter.

OCRG(oxy cardio respiro gram) should be available for monitoring neonates.

Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and

asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)

24 hours trend data should be displayed.

All monitors including central station should have similar user interface for usage among all clinicians.

Modules should be compatible with transport monitors.

Monitor shall provide capability to remote view of real time waveforms via the internet. Should be able to

upgrade to softwares for electronic flow sheet and full disclosure of all waveforms.

On-screen keyboard for entering this data should have USB ports to connect mouse, key

board, bar code scanner.

Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm

settings must be displayed on-screen when alarms are on.

Position of the displayed waveforms and color of the waveform must be user configurable.

Monitor shall permit the optional ability to receive and display information from other patient devices such as

ventilators, infusion pumps and other standalone devices.

All modules should be compatible with all monitors quoted.

Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.

Should be US FDA Approved

Should be compatible with HIS and Should be HL7 compliant

Monitor should have capability to accommodate remote viewing of real time waveforms through internet.

Accessories and spares

ECG / respiration: 5 lead ECG cable and lead wire set and 10 lead ECG cable and lead wire set per monitor

NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor

SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor

IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor

Temperature: Skin and nasopharyngeal probes per monitor

BIS: 25 nos of disposable sensors per monitor

Environmental factors:

Safe disposal system : AGSS – Anesthetic Gas Scavenging System, should be in place



**Item No. 2****Arthroscope Set****Arthroscope 4mm, 30 deg**

High Flow Sheath for 4mm 30 deg Arthroscope with Obturator

**High Definition (HD) Camera****Camera Console**

Multiple digital outputs

Electronic zoom

Resolution 1280X1024 or more

Progressive scanning

2 DVI Outputs , 1 Composite Output,

**Camera Head**

Autoclavable Camera Head

Button Functions

White balance by camera head

**300W Xenon Light Source**

Stand by Mode

Universal jaw adapter for all make light cable/guide.

Fibre optic Cable/ Guide.

**High Definition Monitor**

Fully compatible with HD camera.

with DVI input.

**Instruments**

Hook Probe

Wide Bite Punch,15D up

90 Deg Rotary Punch, left

90 Deg Rotary Punch, right

Narrow Straight Punch

Alligator Grasper

**Shaver System**

Console Operates all electric handpieces  
for arthroscopy, small bone and large bone.

The maximum speed of Shaver hand piece should be 12,000 rpm

Footswitch(wireless)

Drill Handpiece for Large Bone surgeries

Oscillating Saw Handpiece for Large Bone Surgeries

Universal Cable

Single Trigger Wire Driver

1/4' Jacobs chuck with Key

Blades for oscillating saw h/p

Reamer attachment with AO coupling

Full Radius Resector(6 Nos)

Burr(6 Nos)

**Acl Instrument set**

**All the items should be from one company.**

**US FDA Approved.**

**Imaging Trolley(Indian)**

**Item No. 3****Audiometer**

- Two channel audiometer for clinical use interface with sound proof room with complete accessories to insure complete functionally

Specifications:

- Input: tone, microphone 1&2 tape/cd 1&2, nb, wn, sn

- Output: left, right, bone, l&r, free-field, insert phones, high frequency phones

Frequency range

- Air conduction

125 to 12000 hz

- High frequency

8000 to 20000 hz

- Bone conduction

250 to 8000 hz

- Sound field

250 to 12000 hz

- Insert

125 to 6000 hz

- U-v meter

two independent u-v meters one for ch. 1 and 1 for ch.2 speech

- Microphone

for live voice testing and communication

- Speech score counter

- External a and external b

to accept recorded speech material from external

Stereo tap cassette or cd player

- Talk forward, talk back and monitoring facilities

- Signal format

- Steady

tone continuously present.

- Pulsed

tone pulsed 200 mses on, 200 msec off

- Fm

tone modulated +/- 5% of center frequency at

Rate of 5hz

- With signal processing software and patient management software to be supplied with pc and manual

- All accessories for all above facilities to be included.

Airbone or tree field

Pure, pulsed or warble tones

Frequency : 125 hz 20 khz

Bone frequency : 250 hz to 8 khz

Attenuation : 1db step resolution

To be able to proceed all type of test including s.i.s.i. ablb , stenger, rainville, dli, auto thresh hold, tone decay, mcl/ucl, dlf, mlb

Built in thermal printer .

Should be regularly calibrated in warranty and contract period as per manufacturer's recommendations. ( pl mention the frequency of calibrations as mentioned in operation or service manual)

#### **Item No. 4**

#### **Battery Operated Drill with Sterlization chamber**

##### **Drill Handpiece-1 No.**

Pistol grip, Fully Cannulated,

Tool-less assemble of attachments. Accurate

Speed control through the Trigger

Steam Autoclave, ETO, Formalin and in 10

minutes through a 'Flash' autoclave. Drill speed

of 1000 rpm and maximum torque of 150lbs.

##### **Non Sterile Battery Kit-3 Nos**

##### **Non-Sterile Battery Charger Module- 3 Nos**

##### **Charging Station-1 No**

Conditioning cycle completely discharges non-sterile

battery before charging. Indicator Lights provide battery

status feedback with "Charge",

##### **AO Quick coupling- 1No**

##### **Adjustable Pin Collet -1 No**

##### **1/4" Drill Chuck (w/ Key)-1 No**

##### **Synthes Reamer -1 No**

##### **Reaming Chuck 5:1 -1No**

##### **Sagittal Saw-1 No**

Pistol grip

Tool-less assemble of attachments. Accurate

Speed control through the Trigger

Steam Autoclave, ETO, Formalin and in 10

minutes through a 'Flash' autoclave. Saw speed

of 15000 cycles per minute

**Blades for Sagittal Saw-10 Nos  
Sterilization Tray**

The Equipment should be US FDA Approved.

**Item No. 5****BIPAP**

Non invasive ventilation/ bipap with LCD display of parameters with following features

- IPAP range 6-30 cms
  - EPAP range 4-20 cms
  - Respiratory rate can be set to 4-40 bpm
  - Spontaneous / CPAP/ spontaneous with time/ timed
  - Connectors for et ET tube available for direct connection
  - Should have CPAP, PSV ST, PCV, PACV modes
  - Should have facility to set target tidal volume
  
  - Inspiratory time should be possible to set allowing critical patients to breathe out.
- The rise time from EPAP to IPAP can be set and varied
- The system should be supplied with operator's manual, ultra mirage mask (full mask) , hose pipe and power cable

**Item No. 6****Biphasic Defibrillator**

- Biphasic
- Waveform display (min 3)
- External energy selection from 2 J to 200 J, biphasic
- Charging time less than 8 seconds @ 200 J (with a charged battery)
- Synchronizer and cardio version
- Unique disarm button (in addition to automatic time delay)
- Should come with high resolution monitor.
  
- Should come with 3 lead ECG that can be measured from cables, adult external paddles, paediatric paddles.
- Heart rate: 20 to 300 bpm BPM with user selectable alarms.
- Should come with external pacing, demand and asynchronous modes
- Should display CPR in real time
  
- Should have large internal memory that stores and prints 25 ECG events.
- Battery to last not less than 2 hours of continuous ECG

monitoring or 30 full energy discharges.

- Battery indicator on display and self test on battery

Accessories needed

- Paddles with remote energy selection, charge and discharge buttons on paddles.
- Pediatric paddles adapters (set of 2)
- A/c 240 v V 50 hz charger and mains power source. Adult paddles and test paddles.
- 3 lead patient cable
- One spare battery
- Roll of 50mm recording paper x 10 rolls
- 5 oz tube of defibrillation gel x 5 tubes
- ECG cable with leads- 2 sets.
- External disposable pacing pads-2 sets
- Operation manual, service manual complete.

The equipment should be US FDA approved.

### **Item No. 7**

#### **Bipolar Caутery**

A Micro-Processor controlled Bipolar Coagulation unit with an efficient Bipolar generator of frequency 440-450 kHz having power based dose display thus suitable for all application in micro surgical & macro surgical operation.

It should have Auto start function.

Micro Bipolar Coagulation should be between 0.1 – 9.9 watt with an increment of 0.1 w.

The Macro bipolar coagulation should be between 1-50 watt with an increments of 1 watt.

The generator is automatically adapted to different tissue impedance levels both in micro and macro ranges.

Should have 4 memory location for quick, Individual and indication-specific empirical values storage.

It should have cable-free infrared remote control facility to allow switching of the output power (4 memories) by the operating surgeon under sterile conditions.

Should have max. 50 watts (Bipolar) output.

Should be supplied with standard set of accessories like Foot Paddle (Double), Bipolar Forceps and Cable.

Should have Membrane Key Button with Digital Display.

Should have alarm and Error Display Facility for Safety of Patient and Operator.

should be supplied with following accessory:

Bipolar cable – 5 Nos. (should confirm to new standard of Edition 4 of IEC60601-2-2.)

Non sticking, insulated bayonet bipolar forceps with sintram tips.

0.7mm, 160mm.

1.0mm, 185mm

1.0mm, 200mm

Non sticking, insulated angled bipolar forceps with sintram tips

1.0mm, 200mm

Casper type, bayonet forceps:

0.5, 1.0, 2.0mm 195mm

1.0, 2.0mm, 220mm

250mm with button for Transphenoidal surgery

Yasargil type, bayonet forceps

0.4mm, 175mm

0.7mm, 195mm

1.3mm, 195mm

1.0mm, 215mm

1.3mm, 215mm

1.3mm, 235mm

## Item No. 8

### Blood Gas Analyzer

- A fully automated pH/Blood gas/electrolyte analyzer measuring the following parameters: -

pH, PCO<sub>2</sub>, PO<sub>2</sub>, Barometric pressure.

Na, K, Ca, Cl

Co-oximetry: ct Hb, CCO Hb, Met Hb, Sulf Hb, Haematocrit and Barometric pressure.

- Sample volume should be approximate 100 µl for all parameters.

- All calibration and cleaning cycles should be fully automated with user selectable calibration items.

- Calibration should be performed by liquid calibration for all parameters.

- The electrodes provided should be zero maintenance including the reference electrode.

- The system should have on board data manager to store all patient results, QC data and calibrations.

- The system should have a closed waste system and monitored continuously. Also all the system reagents should be monitored continuously.

- A power fail protection for 20 min. to take all calibration and programmed data.
- The analyzer should have a colour LCD screen to access all the system software and to display the patient's results. With alphanumeric key board/touch screen.
- A built in thermal printer should be provided to print out patient results.
- The system should work in discrete testing, ie, selectable parameter testing.
- Should be supplied with consumable, reagents and QC agents for 1000 tests, as per the user requirements so that they do not expire.
- Should not preferably use special gases

### **Item No. 9**

#### **BLOOD VESSEL SEALER**

Vessel sealing upto 7mm vessels withstanding 3 times systolic blood pressure.

Vessel sealing instrument for open surgery with separate cable.

Vessel sealing instrument for laparoscopy with cutting facility.

Audio-visual alarm to indicate end point of sealing.

All accessories should be from same manufacturer to ensure compatibility.

All instruments should be autoclavable or single use.

Equipment should be US FDA approved.

Complete instruction and service manual shall be supplied.

### **Item No. 10**

#### **Cold Pack Unit**

- Should have two stainless Steel racks to hold different sizes of cold packs
- Temperature should be adjustable on easy to read thermometer
- Racks should be removable for easy cleaning
- Insulation Class: 1 type B – IEC 601-1.
- Complies with the Medical Device Directive (CE).

**Item No. 11****Colour Doppler Digital**

## 1. Beam former

Universal Digital broadband former accepting routine Phased array sector, Convex, Linear and Endovaginal probes.

## 2. Monitor

Should have high-resolution 15" medical grade Flat Panel monitor with articulating arm

## 3. Digital Processing Channels

Atleast 1024 channels

## 4. Gray Scale

System should have a minimum of 256 gray levels with system dynamic range to be more than 200dB

## 5. Display modes

With B, 2B, M, Color M mode, PW, HPRF and Color Doppler with Power Doppler. Phase Inversion Tissue Harmonics should be available on Convex and Phased Array probes. steering on Color / PW modes on Linear probe should be available. Trapezoidal Image. Triplex mode .

## 6. Cine Review

Standard cine memory providing 500 frames on 2D mode and up to 30 seconds Doppler Cine. To be confirmed.

## 7. Transducer technology

System should be capable of handling 1 – 15 MHz

Multifrequency imaging with independent selection of 2D / Color / Spectral doppler frequency should be offered.

## 8. Exam Presets

Should be able to store atleast 30 user specific Image presets.

## 9. Image Optimisation on B and M modes

System should have the following

- Selectable frequency on probes
- Up / Down & Right / Left Image rotation
- Multiple steps of Edge Enhancement settings
- Upto 25cm dept.
- levels of persistence

## 10. Color and Spectral Doppler Optimisation

System should have the following

- Selectable frequency on all probes
- Gate adjustments on Spectral modes.
- Filter adjustments should be specified.

## 11. Zoom function



When a more detailed view is needed, the system should reoptimises and rescans the selected region to actually increase the acoustic information content of the image upto 10 times.

12. Deep Doppler and color performance

HPRF performance at depth

13. Measurements and Calculations.

System should have atleast 6calipers with depth information and extensive, customizable measurement and report packages including complete Obstetrics, Gynecology studies.

Distance, Area, % stenosis on B mode

Distance, Time, Heart Rate, Slope on M mode

Velocity, Acceleration time, Slope, PI, RI, S/D Ratio with Auto Doppler on Doppler mode

14. Image Management

System should have facilities to store atleast 100,000 images, should have the facility of performing calculations and annotations on stored images. System should have inbuilt CD / DVD writer for image transfer.

15. User Interface

PC – based operating principles.

Task light with back-lit illumination of control panel.

System should have on screen menu for easy and immediate access to imaging controls. Live image should be supported with side by side reference / stored images on the Flat panel monitor.

16. Power requirements

System should operative between 200 – 240 VAC, 50 Hz. Maximum power consumption should not exceed 700 VA

17. Required Accessories

- Convex Probe 2 – 5 MHz (Harmonic Imaging should be available)
- Linear Probe 3.0 – 9 MHz (Harmonic Imaging should be available)
- Endovaginal probe 4-8 Mhz

18. Accessories

- Thermal printer
- Inkjet Printer

## Item No. 12

### Combination Therapy Unit

Electrotherapy and Ultrasound combination unit with 2 independent channels

Current forms to include: Galvanic, Diadynamic DF, CP, DF/CP, DF/LP, rectangular impulse, Biphasic impulse, rectangular alternated impulse, Micro current, High Voltage, Trabert Current, Russian stimulation and medium frequency (IFT).

Pulsed & continuous output for ultrasonic

Multi-frequency head with possibility of using both frequencies in single sitting for desired depth

Should have touch sensitivity with on screen display for contact level

Should have large colour touch screen with electrode placement help and therapy information

Should have pre-programmed indication menu, diagnostic programs and free memory space

Should display the role/ effect of the selected current parameter on screen.

### **Item No. 13**

#### **CPM Unit**

The lower extremity Continuous Passive Motion machine including accessories

Range of Motion

Hyperextension - 10° to flexion 120°

Speed: 30°/minute to 160°/minute

Dimensions: 94 x 33cm (L x W) approx.

Voltage: 100 to 240 volts, 50/60Hz

Patient Sizing: Full leg 71 to 104cm Tibia 38 to 58cm, Femur 33 to 46cm

It should conform to the international standards ISO 13485, CE certified.

The Upper extremity Continuous Passive Motion machine including accessories

Elbow

CPM with base including accessories

Range of motion:

Flexion: 135°

Extension: 0°

Pronation/Supination: 90°

Speed (cycle of 0°-135°): 3 min 50 sec to 1 min

Patient height: 140 to 190cm

Dimensions: 72 x 65 x 130cm approx.

Voltage: 110/240 volts 50/60Hz

Upper extremity CPM including accessories

Provides increased ROM and greater patient comfort

With improved control features such as the ability to make quick adjustments, pause features

A visual biofeedback mechanism, and progressive protocols for consistency

The machine can be used for isolated or synchronised movement training

Hand and wrist CPM should have following accessories

Allows simultaneous motion of the three phalanges, matching the physiological spiral of flexion

and allowing the formation of a true composite fist

Versatile and cost effective: accommodates the fingers, thumbs and wrist (either right or left

hand ; from the smallest to the largest adult)

Easily portable for use in the hospital room, therapy

It should conform to the international standards ISO 13485, CE certified.

#### **Item No. 14**

##### **Cryo Surgical Unit**

1. Facility to cutoff gas line without closing cylinder while inter changing probes.
2. Twin Trigger system to frost and defrost.
3. Cleaning the inner hypodermic needle should be much easier
4. System should be operated by CO<sub>2</sub> or NO<sub>2</sub> gas.
5. Console to house cylinder with temperature indicator
6. Probes Tips: Exo Cervical, Endo Exo Endo cervical and long Endo Exo Cervial, HPV, Flat and Round in different sizes and shapes.
7. System high quality and reliability.

#### **Item No. 15**

##### **DENTAL STERILIZER**

Power supply Single phase :230 VAC  $\pm$ 10%

Sterilizer

Power consumption max. :2100 W / 9.2 A

Approx.Dimensions overall (mm) :W: 445 – H: 410 - D: 520

Main / Used water tanks content :3.5 / 4.0 litres

Working range :8 to 12 cycles

Average / max. noise level: :55 / 63 Db

Chamber Capacity :Approx. dimensions (mm) 17 litres / Ø 250 – D: 350

External connections

The sterilizer is supplied with the facility to connect to external water supply. It can also be plumbed directly to a sink or waste water connection.

Independent steam generator: Separate steam generation and storage.

European standard compliance EN 13060

**Item No. 16****Dental Unit Complete****1. Dental Chair**

The chair should be designed to provide good ergonomics, hygiene and aesthetics.

The design also

enables the operator to be close to the patient so as to provide optimum vision of the operating field and

safe control of all component devices.

1.1 Fully motorized, hydraulically driven which give smooth start when switch is activated.

1.2 Supplied with 8 button footswitch for user friendly.

1.3 The backrest should be thin. Choice of Back rest

1.31 Contoured back rest.

1.32 Slim back rest or

1.33 Slim back rest with arms slings

1.4 Fixed small arm rest, for easy slide in/out for patient to provide support to get up from the chair.

Should have the facility for Pivotal Arm rest.

1.5 Height range should be from 14" to 29".

1.6 Base plate should be Cast Aluminum. Plus a tough urethane coating that enhances corrosion

resistance and protects treatment room floors

1.7 Upholstery can be cleaned with disinfectant Solution.

1.8 Chair should have safety brake system while going down for patient exit position.

1.9 Chair should have multipurpose double articulating head rest for ease of adjustment for pediatric

patients & should be reversible for wheel Chair patient.

1.10 Chair should have minimum 4 programs. Two patient entry programs, one rinse program &

one patient exit program.

1.11 Should have integrated 80 Watt power supply for Fibre optic Handpieces, Piezo Scaler,

electric motor etc.

**2. Dental Unit**

2.1 Should be side delivery system. Should rotate to 270o

2.2. Handpiece control block should be flow-through water design to eliminate stagnant water.

2.3 Built-in anti-retraction valves and flush valve system for infection control.

2.4 Autoclavable Quick Disconnect 3 in 1 water syringe.

2.5 2 nos 3 hole tubing for Air Turbine and Air/Micro motor with straight & Contra Handpieces.

2.6 All water tubes should be AlphaSun. An antimicrobial additive that becomes part of the tubing

material itself and inhibits the ability of bacteria to attach to the tubing surface by ionic silver exchange

2.7. Ultrasonic Piezo scaler

2.8.1 Wide power range from 2VA to 26 Va

2.8.2 Auto power control adjusts instantaneously to resistance at the tip

2.8.3 deleted.

2.8.4 Wide procedural applications from prophylaxis to endodontics.

2.8 Doctor's Touchpad should have dual operator modes.(Optional)

2.9 Tray holder

3. Cuspidor

3.1 High and low Air suction. The suction system should be with separating tank and automatic self

cleaning separating tank to allow continuous draining.

3.2 Autoclavable

saliva ejector.

3.3. Autoclavable High volume evacuator

3.4 Autoclavable syringe.

3.5 Suction should be Air Ventury (should work on compressed air)

3.6 Spitton bowl should be of poly urethane material with cup fill and bowl rinse timers.

3.7 Clean water bottle System.

4. Operating light.

4.1 Light head includes two axial movements – Horizontal, Vertical adjustment.

4.2 Should have normal auto mobile halogen bulb

4.3 Feathered-edge, balanced-intensity light pattern

4.4 Optically designed reflector

4.5 Two-position intensity switch with high and low settings.

4.6 Color temperature to be 5,000 K.

4.7 Light Intensity :, Low 18,000 lux, High 24,000 lux.

4.8. BTU's per hour should be 325.

5. Doctor's Stool

5.1 Cast-aluminium base with five tile casters

5.2 Two-way adjustable lumbar support

5.3 Integral gas cylinder for height adjustment.

5.4. Height range 470mm – 635mm

6. Assistant's stool

6.1 Cast-aluminium base with five tile casters.

6.2 Height adjustable torso support with height adjustable foot-ring

6.3 Integral gas cylinder for height adjustment.

6.4. Height range 572mm – 737 mm.

7. Certification (for all the above)

7.1 US-FDA approved.

7.2 CE-approved

- 7.3 ISO-approved
- 7.4 EMC test certificate
- 7.5 BSI Service Quality certificate

### Item No. 17

#### DENTAL X-RAY

- Ø Microprocessor controlled DC dental X-Ray machine
- Ø DC Dental X-Ray machine to offer consistent reliability, shorter exposures, reduced radiation, while maximizing image quality.
- Ø It should be used to operate with digital sensors, PSP, or film.
- Ø It should deliver, shorter exposure time and reduced radiation,
- Ø The main control panel should have minimum 20 exposure settings plus fully-programmable anatomical presets.
- Ø The X-Ray tube head should be supplied with 12'' cone
- Ø The X-Ray tube head should be 65 kV Fixed
- Ø The X-Ray tube head should be 7 mA fixed
- Ø Should have Focal spot less than 0.6 mm for significantly sharper images.
- Ø Minimum exposure should start at 0.02
- Ø Focal length standard 12 inches
  
- Ø Line voltage 115V, 60 Hz or 230V, 50 Hz or workable in Indian conditions.
- Ø The cone should have movement in radius of minimum length of 2 meters from the wall.
  
- Ø The Tube Head should move on a track ball with 720 degrees movement.
  
- Ø The exposure switch should be cordless & should have full function data in the switch to enable operator to select the program & click from remote place.

### Item No. 18

#### ECG Single Channel

- Floating: protection against defibrillator effect, Lead,
- standard 12 leads,
- lead change, automatically, patient current leakage
- input impedance
- calibrating voltage: 1mv
- A/D conversion: 12 bit
- Frequency response: 0.05Hz-150Hz (IEC)
- Time constant > 3.2 sec
- CMRR > 80 dB
- EMG filter -35Hz (-3 dB)/25Hz (-3 dB)
- Sensitivity: ½, 1, 2 (cm/mV) , conversion deviation

**Item No. 19****Electro Surgical Unit**

Should be suitable for all types of surgeries.

Digital system with automatic patient plate monitoring.

Display: Digital

Monopolar cut: 300 to 400 W

Not less than two blend modes

Provision for Spray, Dessication

Bipolar Coagulation

Facility for underwater cutting

Facility for simultaneous coagulation

Audio visual alarm for breakage of contact between patient and plate

Accessories:

Double pedal foot switch

Single Pedal Foot switch

Patient plate with cable x1

Autoclavable handles: 3 sets

Electrodes: 3 sets

Bipolar forceps with cord x 1

All accessories should be from same manufacturer to ensure compatibility.

All instruments should be autoclavable or Single Use. Single Use Disposables if offered should be

sufficient for 20 surgeries.

The equipment should be US FDA Approved

Complete instruction and service manual should be supplied.

**Item No. 20****Emergency Resuscitation Kit Adult (Imported)**

1. To have Retromolar Intubation fiberscope for unexpected difficult airways.

a. Tip Distal Bending 40°.

b. To be movable eyepiece

c. To have a light source connection

d. With length 40-42cms and dia 5-6 cms.

e. ET tube holder should be provided

f. Should take min. 5.5 size of ET tube

2. Portable LED light source should be provided

i. with illumination not less than 50000 Lux

ii. should run on two 3v photo batteries

iii. burning life should be more than 100 minutes

iv. ergonomically designed and can be connected to both the fibrescopes

v. life of LED should be close to 50000 hrs

3. One Laryngoscope with rechargeable battery pack and blade with fibreoptic mechanism should be provided to be used on both adult and pediatric patients with charger.
4. Other accessories like, magill forceps should be provided.
5. Should have Emergency Cricothyroidotomy for pediatric and adult
  - i. disposable blades
  - ii. dialator
6. Should have Combitube size 37Fr.
  - i. with complete kit
7. Should have Intubating Laryngeal Mask Airways with Following Components:
  - a. ILMA Sizes 3 & 4.
  - b. ILMA Tubes ID 7mm & 7.5mm.
  - c. Tube Stabilizing rod
  - d. Cuff deflator
8. Should have Laryngeal Mask Airways
  - i. sizes 1,2 and 4
9. Handy and strong brief case/bag should be provided to keep all the instruments safe.
10. Set of disposable percutaneous tracheotomy kit for adult and pediatric.
11. Should have standard AMBU bag for pediatric and adult.
12. Mechanical suction pump with suction catheter and stomach tubes.
13. Should have Aluminum Oxygen reservoir 2 Liter with oxygen tube and catheter.
14. Oxygen pressure reducer, regulable 0-15 liter with coupler for respirator.
15. Ventilating bag
16. Lubricant
17. Blood pressure meter, boso K-II
18. Stethoscope
19. Rescue blanket gold/silver
20. Infusion system.

## **Item No. 21**

### **Fetal Monitor**

- The Unit should be compact
- The unit should be CE certified
- Should have Color TFT with tilt adjustments
- Must have Twin monitoring facility
- Should Waveform display and digits simultaneously
- Pulse Doppler with 9 elements for better sensitivity
- Advanced Digital Signal Process (DSP) Technology
- Battery backup up to 3 hours
- Inbuilt high resolution thermal array printer
- Patient Data storage of 10 hours



Automatic Fetal Movement detection

### **Ultrasound**

Technique:Auto corellation

Frequency:1 MHZ

Measurement range:50 to 210 bpm

Resolution:1 bpm

Intensity:< 10m W/sq cm

High alarm range:160, to, 180 bpm

Low alarm range:90, to, 120 bpm

Scaling:20 bpm

FHR chart width:7 cm

### **Toco**

Technique:Strain gauge sensor element

Measurement range:0-100 Units

Chart width:4 cm

Resolution:1 mm Hg

### **Recorder**

Type:High resolution thermal printer

Chart speed:1/2/3 cm/min

Record paper:Z fold, Thermo sensitive paper

### **Electrical**

Power supply:100-240 VAC 50Hz  $\pm$  10%

Power consumption:< 40 W

Inbuilt battery:Re-chargeable 8.4 V Li-ion

Battery operating time:3 hours

Speaker:1 W

Memory:10 Hrs

### **Display**

Type:Color TFT LCD display size 7-10" with tilt adjustment

Unit should be provided with mobile cart and covers.

- Alphanumeric keyboard for character entry and character display
- Gynecology measurement facility for uterus, cervix, special probe for gynecology to be provided 3.5mhz linear

probe, 3.5mhz convex probe, ultrasound gel, biopsy attachment and black and white video printer with at least 10 no. Rolls, mobile stand.

## **Item No. 22**

### **Fiber optic Bronchoscope**

Bronchoscope should have :

Field of view : 120deg.

Depth of field : 3-50mm  
Tip deflection up/down : 180/130deg.  
Distal diameter : 4.9 mm  
Insertion tube diameter : 4.8mm  
Diameter of working channel : 2.2mm  
Insertion tube working length : 600mm  
Total length : 900mm  
Sharp, smooth image  
Ergonomic control section  
Easy insertion and excellent maneuverability  
Compatible to electrosurgical treatment  
Light Source should have :  
Compatible light source (Halogen) with fibre-optic cable & back-up lamp  
Standard Accessories like :  
Foreign Body Retriever Forceps  
Tempo-nation Balloons  
Magnet Forceps  
Biopsy Forceps

### **Item No. 23**

#### **GENERAL PURPOSE ULTRASOUND SYSTEM**

Ultra sound scanner

The following requirements must be met:

Scanner meant for radiology applications. This should be capable of performing state-of-the-art imaging

primarily for abdominal applicators, but for also OB GYN, thyroid, testicles, breast, carotid and othr peripheral vascular applications.

- Image modes 2D (sector and linear array)

Doppler colour flow mapping.

- Transducers number of transducer elements (64-128) number of measurement channels (64-128) phased

and linear array transducers for 2D; 2D doppler. Following is the minimum requirement for transducers.

General purpose transducer 5 MHz sector transducer & 3.5 MHz linear array transducer.

Transducers (5-7.5 MHz) for small parts and vascular imaging- CW doppler probe.

Trans vaginal imaging probe

Trans rectal probe

- Imaging system;

Scan converter with 512 x 512 x 6 to 8 bit image memory. Pre and post processing capabilities. Controls for time gain

compensation. (TGC) variable power , dynamic range and overall gain controls.

Adjustable transmit zone (specify transducers with this facility). Dynamic receive focus (specify transducers with this facility). Maximum display depth 24 cms.

Alpha numeric keyboard.

Digital calipers for linear, circumference and area measurements. Annotation capabilities.

Obstetric calculation package gestational age programs.

Pan zoom Features for real time and frozen images. (specify magnification)

Cardiac imaging option.

Pw Doppler analysis for carotid and peripheral vascular application.

Variable sample volume and Variable or selectable wall filters for doppler. Velocity versus time display with angle correction as well as frequency versus time display- simultaneous 2d-doppler.

- Imaging sector angle (45-90 degree)
- Monitor (single-dual) 12" (mini) patient data mode selector display.
- Image display (dual/quad).
- Audio for doppler – with head set.

General purpose biopsy guide with associated Software for visual guidance.

Small parts biopsy guide.

Fetal m mode studies.

- Simultaneous m-mode 2d.

Continuous cine loop.

colour flow mapping

User programmable protocols.(specify)

- Archiving facility for 1000 frames programme leading through floppy computer with keyboard.

Hard copy facility.

- B&w printer with roll dvd. Record with 100 dvd's.

Replay frame grabber and analysis.

- Service documentation 2 sets.

Essential set of consumables and accessories.

DICOM ready.

## Item No. 24

### Hot Pack Unit

- Mobile heater in stainless steel for continuous use.
- Large thermal packs can be heated as well
- Equipped with a removable rack and a drainpipe.
- Double –isolated walls.
- Capacity: 12 standard Thermal Packs.
- Insulation Class: 1 type B – IEC 601-1.
- Complies with the Medical Device Directive (CE).
- Digital display of temperature of the packs with temperature control knob.

**Item No. 25****Lensometer**

- Large measuring capacity (30mm to 90mm)
- LED Light source
- Power sources: Dry batteries or Ni-Cd rechargeable batteries with auto shut off
- Freely adjustable instrument tilt: 0-90 degrees
- Measures all types of lenses including progressive lenses
- PD Measurement available
- Built in thermal printer

**Item No. 26****Multipara Bedside Monitor/ Neonatal Monitor**

Patient monitor system should be of modular type and capable of monitoring adult, pediatric & neonatal patients.

Monitor should have 17" independent flat panel display.

Touch screen user interface .

Module rack / housing should be independent and shall be able to be placed near to the patient.

Should be capable of 8 traces display.

Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO<sub>2</sub>, invasive pressures (2), temperatures (2)

Should be compatible with Capnography, Cardiac output, 4 channel direct EEG, BIS and prices to be offered as optional separately for each module.

ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads.

Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.

Haemodynamic and drug dose calculations should be available.

Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.

Respiration should be available with Cardio Vascular Artifact filter.

ICP monitoring should be possible.

Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)

24 hours trend data should be displayed.

All monitors including central station should have similar user interface for usage among all clinicians.

Monitor shall provide the capability to interact with alarms at remote bedsides.

Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network.

Monitor shall provide the capability enter patient information at the bedside or central monitor.

On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.

Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.

Position of the displayed waveforms must be user configurable.

Waveform color changing should be user configurable.

Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.

All modules should be compatible with all monitors quoted.

Bed to bed communication between the monitors should be possible with out a central station.

Networking to central station should be possible and price of central station should be offered as optional

Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.

Should be compatible with HIS and should be HL7 compliant.

Monitor should provide remote viewing of real time waveforms through internet.

Patient monitoring network shall be able to support up to 1,000 monitoring nodes.

Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.

#### **Accessories and spares**

1. ECG / respiration: 5 lead ECG cable and lead wire set per monitor
2. NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor
3. SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor
4. IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor
5. Temperature: Skin and nasopharyngeal probes per monitor.

The equipment should be CE & US FDA Approved.

### **Item No. 27**

#### **O T Table for Labour O T**

- Should be Mobile, modular operating table for any surgery, electro-hydraulic drive, with corded hand control, with upper back plate, with leg plates, with head rest, with SFC padding of 80 mm.

Should have following features:

- Battery (1 week/ 60-70 operations on Single Charge) and mains operation.

- Stable base construction with 4 double swivel castors for easy motion and manoeuvring (locking of the double swivel castors via a foot pedal)
- Base cover and cover for the override control panel made of CrNi steel, resistant to impact, breakage and disinfectants
- SFC padding (Special Foam Core) with multi-layer construction for exceptional comfort during patient positioning and utmost patient safety
  
- Safe patient positioning due to optimum covering of table top joints
  
- Column casing made of CrNi steel
- Supporting bars for the seat and back section, leg plate sockets, joint covers and side rails made of CrNi steel
- Operating table top subdivided into 5 sections: head rest, upper back plate, lower back plate, seat plate & leg plates
- If there are any malfunctions or if the corded hand control is defective, the operating table can be controlled using the override panel. Entire table top without crossbars, allowing intra-operative fluoroscopy

Operating elements: corded hand control, override panel, foot switch

Should meet following Electrical Standards:

- Battery charge level: electronic monitoring with optical indicator
- Recharging of the batteries and supply of the operating table by means of a mains
- cord
  - Nominal mains voltage /220/230-240 V frequency 50/60 Hz
  - IEC 60601-1

Should meet following Technical data:

- Length of table top : 2075 mm
- Width of seat/lower back plate without side rails : 510 mm
- Width of seat/lower back plate with side rails: 560 mm

Max. Patient Weight -180 Kg

Should have following Electro hydraulic adjustments:

Via corded hand control or override control panel, with status indicators for battery charge level and base brake feature, located at the column head.

Adjustment options via corded hand control or IR remote control:

- Height with padding: 600 – 950 mm
- Trendelenburg/reverse Trendelenburg: + 25° / - 25°
- Lateral Tilt :15°
- Lower back plate: 60° / 50°
- Leg plates: 0° / 95 °
- Longitudinal Shift: 290 mm

- Body Elevator: 100 mm
- 0-position (horizontal alignment of the table top)

Should have following Manual adjustments:

- Standard back plate : + 90° / - 45°
- Standard head rest : + 45° / - 45°
- Base braking (lock / unlocking)

Should be supplied with Basic equipment:

- Corded hand control
- Head rest, inclinable, SFC padding
- Retrofit kit, side rails, for head rest for subsequent lateral mounting
- Arm Boards pair
- Anesthesia Screen
- Clamps or Adaptors
- Leg plates with SFC padding
- Gopel knee crutch with clamp pair
- Side supports pair

### **Item No. 28**

#### **O T Table for Orthopaedics, Electro Hydraulic, C-Arm Compatible**

Electro-hydraulic battery operated mobile operating and extension table for orthopaedic interventions including open and intra-medullary nailing and shall be fully compatible with C-Arm Image Intensifier.

Should include back plate adjustment, with SFC padding, including. basic equipment  
 - 2 traction bars short and long, 1 rotation-tilt clamp, 2 elongation bars, 1 rotation and traction stirrup clamp, 1 screw tension device, 1 counter traction post for neck of femur, 1 foot plate support, 1 side rail elongation.

Should have the following features:

- Battery-powered or mains operated electrically controlled hydraulic drive.
- Base covers and column casing, table top frame, traction bars and basic accessories made of CrNi steel.

Operating table with easy-rolling castors for longitudinal and lateral movement.

Operating table top subdivided into 9 sections: head rest , 3-section back plate with 2 detachable shoulder segments, seat plate with 2 detachable buttock supports, pair of leg plates, detachable.

- 2 traction bars beneath the seat plate with 2 separately adjustable pivot joints each for extension of the extremities with unimpeded use of the image intensifier.

- Guide rails beneath the seat plate allowing X-ray cassette insertion from either the right- or the left-hand side for the hip area.
- Detachable pads made of special foam core, 80 mm thick, radio translucent and electrically conductive on plastic supporting plates.

Should meet the following Electrical standards:

Special-design batteries with a capacity for approx. 2 weeks ( 50 - 80 operations).

- Battery charge level: electronic monitoring with optical indicator and acoustic signal
- Recharging the batteries via mains supply 100 - 240 V AC (adjustable),
- 50-60Hz, via mains cable
- Class II, Type B; the enclosure leakage current meets the requirements of the patient leakage current for CF conditions according to EN 60601-1.

Should meet following Technical data:

- Length of table top incl. head rest : 1965 mm  
(With standard back plate)
- Width of seat / back plate without side rails : 530 mm

Permissible load approx : 180kg

Should have following Electro hydraulic adjustments:

Control of the electro hydraulic motions from outside the sterile area via cordless IR remote control optional hand control.

- Height without padding : 800 – 1175 mm
- Trendelenburg / reverse Trendelenburg : + 25° / - 30°
- Lateral tilt : 20°
- Back plate: + 60 °
- 0-position (horizontal alignment of the table top)

Should supply the following with Basic table:



- IR remote control comprising: cordless, battery-powered hand control with film keypad and mobile charging station (to recharge the battery of the hand control) with mains cable; wall mounting should be possible.
- Cable-connected hand control, detachable, with film keypad; for connection to the operating table via flexible coiled cable
- Head rest
- Foot plates, width adjustable, with Velcro strap and heel pad, pair
- Arm board
- Anaesthesia screen
- All necessary clamps or adaptors
- Accessory stand

Should supply the following with Extension accessories:

#### FEMUR NAILING IN SUPINE POSITION:

- a) Counter traction post for femur: 1 No.

#### FOR TIBIA & FIBULA NAILING

- a) Counter traction post for tibia : 1 No.
- b) Guide bar : 1 No.
- c) Condoyle fixation : 1 No.

#### FOR TOTAL HIP END PROSTHESIS

- a) Fixtures for body support : 2 Nos.
- b) Back- buttock support with pad : 1 No
- c) Lateral support with pad : 1 No.

#### KNEE REPLACEMENTS

- a) Motorised Knee positioning device  
including radial clamp : 1 No

#### SPINE IN KNEE ELBOW POSITION

- a) Positioning device for spinal surgery, height adjustable and horizontal adjustment : 1 No.
- b) Trolley : 1 No.
- c) Sitting bracket with lateral supports : 1 No
- d) Radial setting clamps : 2 Nos.

#### CERVICAL SPINE SURGERIES

- a) Connection Fixture : 1 No
- b) Horse shoe shaped head rest ( two pc.) : 1 No.
- c) Guiding roller for head side traction : 1 No.

#### INTRAMEDULLARY NAILING OF HUMERUS

- a) Humerus positioning device : 1 No.
- b) Countertraction post for humerous : 1 No
- c) Weinberger hand traction device : 1 No.

OPERATIONS ON THE HAND.

- a) Hand operating table : 1 No.
- b) Radial setting clamp. : 1 No.

**Item No. 29****O T Tables for General Surgery**

- Should be Mobile, modular operating table for any surgery, electro-hydraulic drive, with corded hand control, with upper back plate, with leg plates, with head rest, with SFC padding of 80 mm.

Should have following features:

- Battery (1 week/ 60-70 operations on Single Charge) and mains operation.
- Stable base construction with 4 double swivel castors for easy motion and manoeuvring (locking of the double swivel castors via a foot pedal)
- Base cover and cover for the override control panel made of CrNi steel, resistant to impact, breakage and disinfectants
- SFC padding (Special Foam Core) with multi-layer construction for exceptional comfort during patient positioning and utmost patient safety
- Safe patient positioning due to optimum covering of table top joints
- Column casing made of CrNi steel
- Supporting bars for the seat and back section, leg plate sockets, joint covers and side rails made of CrNi steel
- Operating table top subdivided into 5 sections: head rest, upper back plate, lower back plate, seat plate & leg plates
- If there are any malfunctions or if the corded hand control is defective, the operating table can be controlled using the override panel. Entire table top without crossbars, allowing intra-operative fluoroscopy

Operating elements: corded hand control, override panel, foot switch

Should meet following Electrical Standards:

- Battery charge level: electronic monitoring with optical indicator
- Recharging of the batteries and supply of the operating table by means of a mains
- cord
  - Nominal mains voltage /220/230-240 V frequency 50/60 Hz
  - IEC 60601-1

Should meet following Technical data:

- Length of table top : 2075 mm
  - Width of seat/lower back plate without side rails : 510 mm
  - Width of seat/lower back plate with side rails: 560 mm
- Max. Patient Weight -180 Kg

Should have following Electro hydraulic adjustments:

Via corded hand control or override control panel, with status indicators for battery charge level and base brake feature, located at the column head.

Adjustment options via corded hand control or IR remote control:

- Height with padding: 600 – 950 mm
- Trendelenburg/reverse Trendelenburg: + 25° / - 25°
- Lateral Tilt :15°
- Lower back plate: 60° / 50°
- Leg plates: 0° / 95 °
- Longitudinal Shift: 290 mm
- Body Elevator: 100 mm
- 0-position (horizontal alignment of the table top)

Should have following Manual adjustments:

- Standard back plate : + 90° / - 45°
- Standard head rest : + 45° / - 45°
- Base braking (lock / unlocking)

Should be supplied with Basic equipment:

- Corded hand control
- Head rest, inclinable, SFC padding
- Retrofit kit, side rails, for head rest for subsequent lateral mounting
- Arm Boards pair
- Anesthesia Screen
- Clamps or Adaptors
- Leg plates with SFC padding
- Gopel knee crutch with clamp pair
- Side supports pair

### **Item No. 30**

#### **OAE Tester-Hearing Screener**

Baby screener for measurement of OAE by DPOAE and / or TEOAE tests , hand held, lightweight,

fast automatic tests print out, with measuring probe, screening software carrying case.

Screener should be integrated with evoked otoacoustic emissions (OAE) and brain Stem Responses

(ABR) into a single, portable screening device, battery operated, self-contained with diagnostic

features, to test newborns, children, adults, the elderly and all difficult-to-test patients, storage memory.

The above system should be supplied with all standard accessories including:

Probe

Adapter

Power cord

- Electrodes 2 each

- Disposable Electrodes – minimum 4 Pkts.

Printer with cartridges.

- Infant Ear Tip Kit-5 sizes

Universal Ear Tips-100

Child Ear Tip Kit

Adult Ear Tip Kit

Comfort cops

Probe cleaning Kit

Labels, video and Software on database.

Carrying case

Operating and service manuals.

### **Item No. 31**

#### **Operating Laparoscope Set for Gynaec**

##### **Laparoscopy TROLLEY**

##### **Automatic Light source**

220 V, 300 W. Xenon Bulb

Bulb Working life more than 500 Hrs.

Bulb life counter on light source

Stand By Mode via push button on light source console

Universal Jaw Assembly to adapt any make of fiber optic cable without use of any adapters.

##### **Fiber optic Cable**

##### **High Definition Monitor**

High definition monitor, resolution 1280 x 1024 DVI input.

Option for wall mounting and desktop in same unit.

##### **CO2 Insufflator**

Minimum 40 Liter of high flow

Microprocessor controlled unit

Soft Approach Pressure control for safe recovery of abdominal pressure

Gas heating

**HD Camera System**

Camera console with universal coupler & Autoclavable camera head

Pure Digital signal with high definition video(1280\*1024 native resolution)

Progressive scan technology both on camera head & console

Digital zoom & white balance on camera head

Video Output

1. 2 DVI output
2. 2 SVHS & 1 RGB out put
3. One Composite out put

**Ideal Eye/HD Laparoscopes, Fully Autoclavable with working length 300mm**

Wide angled distortion free view

Universal adaptor for other light cable

High quality sapphires and the latest rod lens technology for excellent transmission and detail recognition

30 degree, 10mm x 1

0 degree, 10mm x 1

0 degree, 5mm x 1

**Instrument set:**

Laparoscopic hand instruments (reusable) and rotatable

Veress needle 12 cm length 1

Veress needle 15 cm length 1

Trocars sleeves 11 mm 3

Reducer 11/5 mm 2

Trocars sleeves 5.5 mm 3

Trocars (pyramidal tip) 10 mm 2

Trocars (pyramidal tip) 5 mm 2

Maryland dissector 5mm with unipolar diathermy 1

Atraumatic graspers, 5mm 2

Tooth Grasper 5mm 2

Metzenbaum scissors (5cm) with unipolar diathermy 2

Laprosopic cautery lead 2

Laprosopic bowel grasper 5mm, length 33-36 cm 1

Laprosopic suction cannuala, 10 mm 1

Laprosopic suction cannula 5 mm 1

Bipolar Forceps 5mm Cilpenger type 1

Bipolar cable 1

Kelly Dissecting Forceps Long Jaws 5mm 1

Fenestrated Long Jaw Forceps 5mm 1

Dissecting & Grasping Forceps for ovaries 5mm 1

PCOD Dissecting Needle 5mm 1

All the Units should be US FDA Approved

Cidex Tray (Indian)-2

Formalin Chamber (Indian)-2

**Item No. 32****ORTHOPAEDIC SURGERY INSTRUMENTS SET****DHS/DCS INSTRUMENT SET x 1 Set**

DHPS Adjustable Drill Guide	1
Guide Wire w/thread 2,5 x 230 mm	10
Ruler	1
Wrench with T-Handle	1
T-Handle, large	1
Triple Reamer, complete	1
12,5 mm Tap	1
Centering Sleeve, short	1
Centering Sleeve, long	1
Impactor	1
Coupling Screw, short	2
Guide Shaft for 6900-0-0051	1
Coupling Screw, long	1
Aluminum Case, Red	1
TRAY DHS LOWER Tray	1
TRAY DHS UPPER	1

**A.O Plating Instrument Set 3.5mm x 2 Sets**

Drill Bit 2,5 mm/ 110 mm	2
Drill Bit 3,5 mm/ 110 mm	2
Countersink 2,7 mm/ 4,0 mm	1
Tap 3,5 mm Cortex	2
Tap 4,0 mm Cancellous	2
Insert Drill Sleeve 2,5 mm/ 3,5 mm	1
Double Drill Sleeve 2,5mm / 3,5mm	1
Drill Guide Neutral & Load 3,5 mm	1
T-Handle, small	1
Screwdriver Shaft 2,5 mm Hex	1
Screwdriver 2,5 mm Hex	1
Holding Sleeve 3,5 mm/ 4,0 mm	1
Verbrugge Forceps 190 mm	1
Reduction Forceps, narrow, 130 mm	1
Reduction Forceps w. point, 130 mm	1
Reduction Forceps, serrated, 140 mm	1
50 mm Depth Gauge	1
Bending Iron 2,7 mm/ 3,5 mm right	1
Bending Iron 2,7 mm/ 3,5 mm left	1
Bending Iron for Kirschner Wires	1

Bending Pliers for 1,5mm/ 2,0mm Plates	1
Bending Template 3,5 mm 7 holes	1
Bending Template 3,5 mm 9 holes	1
Hohmann Retractor 8 mm	2
Hohmann Retractor 15 mm	2
Sharp Hook, 150 mm	1
Perisoteal Elevator 6mm	1
Pick Up Forceps 3,5 – 6,5 mm Screws	1
Kirschner Wire 1,2 x 150 mm	10
Kirschner Wire 1,6 x 150 mm	10
Kirschner Wire 2,0 x 150 mm	10
Holding Clamp for Washers	2
Aluminum Case, Red	1
Tray Small Plates	1
Tray (Upper Instrument s	1

**A.O. Plating Instrument Set 4.5mm x 2 Sets**

Drill Bit 3,2 mm/ 145 mm	3
Drill Bit 4,5 mm/ 145 mm	2
Countersink 4,5 mm/ 6,0 mm T-Handle	1
Tap 6,5 mm Calibrated	1
Tap 4,5 mm Calibrated	2
Insert Drill Sleeve 4,5 mm/ 3,2 mm	1
Double Drill Sleeve 4,5 mm / 3,2 mm	1
Double Drill Sleeve 6,5 mm/ 3,2 mm	1
Universal Drill Guide 4,5 mm	1
Drill Guide Neutral & Load 4,5 mm	1
T-Handle, small	1
Screwdriver Shaft 3,5 mm Hex	1
Screwdriver 3,5 mm Hex	1
Holding Sleeve 4,5/6,5 mm, large	1
110 mm Depth Gauge	1
Bending Template 4,5 mm 7 holes	1
Bending Template 4,5 mm 9 holes	1
Bending Template 4,5 mm 12 holes	1
Sharp Hook, 150 mm	1
Tension Device	1
Wrench 11 mm	1
Aluminum Case, Red	1
Tray (Lower) Instruments	1
Tray (Upper) Instruments	1

**CANNULATED SCREWS INSTRUMENTS SET 7.0mm x 1Set**

Washer 19,0 mm	6
Double Dril Sleeve 4.5/3.2mm	1

Screw Driver 3.5mm Hex	1
Holding Sleeve	1
Pick Up Forceps 3,5 - 6,5 mm Screws	1
Drill Bit 2.0mm	1
Drill cannulated, 5,0 mm	1
Cannulated Tap 7,0 mm	1
Cannulated Countersink 7.0mm	1
Cannulated Screw Driver 3,5 mm	1
Protection Sleeve 11,0 / 8,0	1
Guide Wire w/thread 2,0 x 230 mm	10
Ruler for Cannulated Srews Ø 7,0	1
Cannulated Drill Bit 4.5mm	1
Cleaning Stylet 2.0mm	1
Parellel Drill Guide	1
Holding Clamp for Washers	1
Aluminum Case, Red	1
TRAY Cannulated LOWER	1
TRAY Cannulated UPPER	1
Parallel Wire Guide	1
Trocar 2.0mm	1
Drill Sleeve 4.5/2.0mm	1
Drill Sleeve 8.0/4.5mm	1
Protection Sleeve 11,0 / 8,0	1

**CANNULATED SCREWS INSTRUMENTS SET 4.0MM x 1 Set**

Threaded Wire 1.2mm	1
Ruler for 3.5mm Cannulated Screws 3.5mm	1
Cannulated Drill Bit 2.7mm - 1.35mm	1
Cannulated Drill Bit 3.5mm - 1.35mm	1
Cannulated Countersink 3.5mm	1
Cannulated Tap 3.5mm	1
Cannulated Screw Driver - Hex 3.5mm	1
Holding Sleeve 2.7/3.5mm	1
Quick Coupling Handle	1
Screw Driver Shaft 2.5mm Hex	1
Double Drill Sleeve 2.5/3.5mm	1
Double Drill Sleeve 2.7/1.25mm	1
Drill Guide With Stop 3.5/2.7mm	1
Cleaning Stylet 1.25mm	1
Holding Clamp for Washers	1
Screw Pick up forceps	1

**Wire Instrument Set x 1 Set**

Wire Cutter, 220 mm	1
Vice Grip, 180 mm	1



Wire Tightener	1
Flat Nosed Pliers, parallel, w/o Wire Cutter, 180 mm	1
Wire Passer 45 mm	1
Wire Passer 70 mm	1
Kirschner Wire 1,0 x 150 mm, trocar / round	10
Kirschner Wire 1,2 x 150 mm, trocar / round	10
Kirschner Wire 1,6 x 150 mm, trocar / round	20
Kirschner Wire 2,0 x 150 mm, trocar / round	10
Kirschner Wire 2,5 x 150 mm, trocar / round	10
Kirschner Wire 3,0 x 150 mm, trocar / round	10
Cerclage Wire, soft, Ø 1,0 mm	1
Cerclage Wire, soft, Ø 1,2 mm	1
Cerclage Wire, soft 1,0 mm, 280 mm, with eye	1
Cerclage Wire, soft 1,2 mm, 280 mm, with eye	1
Twisting Plier TC	2
Wire Bending Pliers	1
Wire Cutter	1
Aluminum Case, Red	1
Tray (Lower/upper)	1
Tray (Lower/upper)	1

### **Bone Forceps Set x 1 Set**

Verbrugge Forceps 240 mm	1
Verbrugge Forceps 260 mm	2
Verbrugge Forceps 280 mm	2
Reduction Forceps, broad, 130 mm	1
Reduction Forceps w. point, 205 mm	2
Reduction Forceps, serrated, 170 mm	1
Reduction Forceps, serrated, 240 mm	1
Aluminum Case, Red	1
Tray (Lower/upper)	1
Tray (Lower/upper)	1

### **Set for removal of Broken Screws x 1 Set**

Hollow Reamer for 3,5/4,0 mm screws	1
Spare Reamer Tube for 3.5/4.0mm Screws	1
Extraction Bolt for 3.5/4.0mm screws	1
Hollow Reamer for 1.5 mm screws	1
Extraction Bolt for 1.5mm screw	1
Spare Reamer Tube for 1.5mm screw	1
Hollow Reamer 4.5mm	1
Spare Reamer Tube for 4.5mm	1
Extraction Bolt for 4,5 mm screws	1

Hollow Reamer 2.0mm	1
Extraction Bolt for 2.0 mm screws	1
Spare Reamer Tube for 2.0mm	1
Hollow Reamer for 6,5/7,0 mm screws	1
Spare Reamer Tube for 6.5/7.0mm screws	1
Extraction Bolt for 6,5/7,0 mm screws	1
Hollow Reamer for 2.7 mm screws	1
Spare Reamer Tube for 2.7mm screw	1
Extraction Bolt for 2.7mm screw	1
Extraction Screw for 2.7/3.5/4.0mm screws	1
Extraction Screw for 4.5/6.5/7.0mm screws	1
Extraction Screw for 1.5/2,0 mm screws	1
Aluminum Plate - anodized	1
T-handle with quick coupling 80mm	1
Sharp Hook 155mm	1
Screw Grasping Plier 205mm	1
Hollow Chisel 10mm / 205mm	1
Hollow Chisel 4mm / 205mm	1
Hollow Chisel 6mm / 205mm	1
Aluminium Tray for Screw Extraction Set	1

#### **A.M./BIPOLAR/THOMPSON INSTRUMENT SET x 2Sets**

Femoral Head Extractor	1
Moore Rasp for Narrow Stem	1
Moore Rasp for Standard Stem	1
Thompson Rasp	1
Mortising Chisel	1
Prosthesis Impactor	1
Prosthesis Extractor	1
Murphy Lane Bone Skid	1
Measuring Gauge	1

**Note: Price should be quoted as per prescribed price bid format and item wise individual prices should be enclosed with the same.**

#### **Item No. 33**

##### **Pharmaceutical Refrigerator for O.T.**

Good quality double steel walled cabinet  
Capacity 500 litre  
Forced air circulation to maintain chamber temp. uniformity.  
Temp. in range of 2 to 8 degree centigrade  
Low noise level  
Automatic defrosting & digital temp.display  
Audiovisual alarm for low & high temp.

Input voltage 220 to 240 volts  
Inbuilt electronic voltage stabilizer

### **Item No. 34**

#### **Pneumatic Power System**

Pneumatic Power system should be versatile functions and should used in all applications requires in large bones and small bones.

The system should be true modular system should have dedicated hand piece for drilling/reaming , oscillating saw and Reciprocating saw.

Should have quick coupling drilling attachments with AO small and Jacobs chuck couplings.

Should have quick coupling Reaming attachments for AO large and Jacobs coupling.

Bur Attachment for Drill Hand Piece for removal of bone cement in revision surgery.

Short, medium and long extension Bur guards with burs to be used with Bur attachment.

The speed of dedicated Oscillating Saw should be more 13000CPM and should have adaptability to be used with all sizes of Arthroplasty blades.

The Saw h/p blades should be positioned at 4 intervals of 90deg each.

The speed of dedicated Reciprocating Saw should not be less than 15,000CPM.

The hose length should be 10mts long.

Suitable Regulator to be supplied

The modular Drilling H/p should have adaptability to have variation in Speed and torque with different attachment to have different functions in drilling and reaming.

The speed torque ratio should be at least of three variations like 1:1, 3:1 and 5:1.

The Equipment should be US FDA Approved.

**Item No. 35****Portable Ultrasound B & W**

- Portable ultrasound machine with biopsy attachment.
- Scanning mode: linear and convex
- Display mode: b mode, m mode and b+m
- Monitor screen should be 10" high resolution latest technology
- Display depth:25 cm max
- Magnification: 8 steps
- Facility for image zoom, image reverse, image freeze and image magnification, reduction
- Alphanumeric keyboard for character entry and character display
- Gynecology measurement facility for uterus, cervix, special probe for gynecology to be provided 3.5mhz linear probe, 3.5mhz convex probe, ultrasound gel, biopsy attachment and black and white video printer with at least 10 no. Rolls, mobile stand.

**Item No. 36****Portable Ventilator**

The Ventilator should be portable.

The ventilator should be capable of ventilating from pediatric patients to adults.

The modes should include Assist Control, SIMV in Volume control and Pressure control modes.

It should also have CPAP and PSV available.

The tidal volume should range from 50ml to 2000ml.

Peak Inspiratory Pressure - 5 to 55 mbar

Pressure Support – 5 to 55 mbar

Insp. Time – 0.3 to 2.4 secs

Breath Rate – 0-60 BPM

Insp. Sensitivity – 1 to 5

Exp. Sensitivity – 5 – 95%

Flow Pattern should be Square, descending and Sinusoidal

PEEP should be 0.5mbar to 20mbar

Rise Time should be from 1 to 4 with increments of 1.

I:E ratio should be 1:4 to 1:1

I / T should be 20% to 50%

The Apnea time should be 1- 60 secs and backup rate of 5 to 40 BPM.

Vt SIGH should be in single to double multiplier of Vt.

The ventilator should have bright display with backlight

The ventilator should have Waveform display of Pressure Vs. Time and Flow Vs. Time.

Ventilator should be able to be used invasively through an artificial airway, or noninvasively through a mask or other noninvasive interface.

The ventilator should have choice to select the type of breathing circuit (Paed. OR Adult) for Circuit volume compensation.

The ventilator should have internal battery back up for at least 11 hours with Real-time battery life indicator

The ventilator noise level should be < 30 dBA at 1 m.

The ventilator should have Automatic atmospheric adjustment

The ventilator should have recording facility of patient data trends through USB for 3 months to 1 year time with following parameters;

Monitoring: pressure, inspired flow, exhaled flow and leak measurement

Trends: leaks, VTI, VTE, Rate, I/T, M. Vol, P MAX and PEEP measurements

The equipment should be US FDA approved.

**Item No. 37****Portable Xray unit**

2.5 kw HF General purpose, single tank diagnostic mobile X-ray Equipment, suitable for radiography of standing, sitting or recumbent patients as well as for patients in bed or operation table & as stand by unit.

Comparising of High Frequency X-ray generator

2.5 with the following out put-

Output: 2.5 kw as per Is 7620

Kv Range : 40 kv-100kv in 24 steps

mA Range : 16mA-60mA, mAs Range : 0.32mA's-200mAs

Exposure Time : Min 20 m sec

The unit will be calibrated within the permissible limit of x-ray tube

**X -RAY TUBE**

stationary anode x-ray tube having 1.4\*1.4mm focal spot

**Collimato:-**

Brightfield light beam collimator with 100w halogen lamp and auto shut-off facility

**Power Supply:-**

Single phase 195v-265v, 50Hz power supply with line resistance < 0.8 ohms

**Mobile Stand**

Light weight, low height mobile stand with easy manoeuvrability

The equipment should be AERB approved.

**Item No. 38****Pulse Oximeter**

- It monitors from -neonate to adult.
- To track oxygen saturation even during low perfusion condition.
- Set seconds alarm management technology avoids unnecessary alarm & distraction during monitoring of severe motion patients.
- Display for better monitoring.
- Dual colour LED for differentiating normal mode & alarm mode.
- Internal battery provides minimum of 8 hours backup.
- 10 segment LED bar graph for pulse strength monitoring.
- Facility for computer interface & printer connectivity
- Individual alarm settings for Sao2 & pulse rate
- Compatible with the complete range of disposable & reusable sensors.
- Built-in battery charger with charger indication.

**Item No. 39****SLIT LAMP**

Magnifications : 8x, 12x, 20x

Field of view : 45 mm – 10 mm(or better)

Eyepiece magnification : 10x high-eyepoint eyepieces,  $\pm 8D$  compensation of ametropia

Width of slit image : 0 – 14 mm, continuously adjustable(or better)

Length of slit image : in steps: 0.5 / 3.5 / 8 / 14  
1 – 14 mm, continuously adjustable

Angle of slit image :  $90^\circ$ , continuous

Decentration of slit image : variable, click stop at  $0^\circ$

Swivel range of slit prism :  $180^\circ$ , scale for angular difference, Click stop at  $0^\circ$

Angle of incidence :  $0^\circ$ , horizontal

Filters : blue, green (red-free), and diffusing screen, Swing-in-type; UV protection filter, Heat-absorbing filter.

Free working distance : 73mm

Travel of instrument base : vertical: 30mm, X-axis: 110 mm, Y-axis: 90mm

Vertical travel of chin rest : 58 mm

Light Source : 6V, 10W Halogen Lamp, continuously adjustable brightness

**Optional Accessories**

1. Applanation Tonometer
2. Motorised Table

**Item No. 40****STREAK RETINOSCOPE**

The unique optical design provides the first truly bimodal Retinoscope with just a quick bulb change. A true streak or spot - no compromises.

**Features**

- Brilliant, bright halogen illumination
  - Earth magnetic signke control for rotation, convergence and divergence
  - Double neutralization check makes it easier for students
- Two position apertures that optimize brightness of the retinal reflex

**Item No. 41****Tonometer**

1. Dynamic Contour Tonometer (DCT) Contact type
2. Unit to give digital display of Intra Ocular Pressure (IOP), Ocular Pulse Amplitude (OPA) and quality of signal
3. Unit to give accurate IOP reading
4. Slit lamp Mounted Tonometer
5. Audio feedback during measurement
6. No need for Fluroscein
7. All functions to be accessed by one knob.
8. Self calibrating unit
9. Tonometer readings should not be influenced by Corneal thickness and other characteristics of Cornea.
10. Measurement range IOP : 5 – 80 mmHg
11. Disposable tip cover – 250 nos. to be supplied
12. Blue tooth technology for data transfer to the PC-Laptop
13. PC-Laptop of current generation to be supplied
14. Wireless printer – 1no.
15. Unit to run on disposable or reusable battery
16. 2 nos. Disposable battery
17. 2 nos. of Reusable battery with battery charger
18. CE and FDA approved

**Item No. 42****Traction Unit**

Should Have Continuous/Intermittent, harmonized/ Intermittent Progressive modes  
Traction force should be adjustable from 2.5 Kgs to 91 Kgs.

Should have computerized automatic compensation.

Should Have Timer 1 to 99 minutes.

Speed of progressive modes. Pull should be adjustable.

Should have the option for wall mounting or fixation on electrical height adjustment  
Traction table.



Should have the possibility of applying cervical traction in sitting position on Traction table.

Couch:

3 section electrically height adjustable couch.

Head section adjustable from -750 to +600.

Leg section adjustable from 00 to +750.

Head section with a breathe hole and plug.

Rolling lumber section (lockable).

Castors are standard.

### Item No. 43

#### **Tympanometer**

Tympanometer, clinical tests to be performed:

- Tympanogram
- Stepedial reflexes contra and IPSI
- Reflex decay
- Reflex lantency
- E.T function with perforation without perforation

Specification

- Probe tones
- 226 Hz (85dB SPL +/- 1.5 dB)
- 678 Hz (85dB SPL +/- 3.0 dB)
- 1000 Hz (75dB SPL +/- 3.0 dB)
- Accuracy: +/- 1 %

Pressure measurements:

- Range: +200 to -600 daPa
- Accuracy: +/- 1 %
- Sweep rate: 12.5, 50.0, 200 daPa/sec
- Sweep accuracy: 10% of nominal rate
- Maximum limits (in 5 cc cavity): -800 daPa and +600 daPa
- LPSI and control

Reflex measurements

- Stimuli: 250, 500, 1k, 2k, 4k, BBn, LBN, HBN, click external input
- Frequency accuracy: +/- 3%
- Harmonic distortion: Less than 5%
- Intensity range: 35 to 120 dB HL in 5 dB steps
- Calibration accuracy: +/- 3 dB
- Step accuracy: +/- 5 dB
- Computer interface
- Built-in display and printer
- To be including: Probe assembling, ear tips, printer paper, calibration kit and cleaning kit
- All accessories to carry out above tests to be included.

**Item No. 44****Vacuum Extractor**

1. Noiseless suction unit have fast vacuum built up
2. Vacuum should have maximum -90 k pa/-675 mm Hg, Suction capacity 50ltr/min/1kg/cm<sup>2</sup> & bottle capacity 3ltrs
3. Suction system should have piston / cylinder ( self lubricating )
4. Should have mechanical overflow protection system .
5. Set of silicon cups 50mm & 60mm-2each
6. Set of bird cups, stainless steel 40mm, 50mm & 60mm-2each
7. Machine can be operated on 220-240 V AC single phase
8. Should be provided with a gauge to display of vacuum generated
9. Should have vacuum release valve.

**Item No. 45****Ventilator Critical Care**

Microprocessor controlled Ventilator for Neonates, Paediatrics and Adults patient with invasive & non-

Invasive ventilation in both pressure and volume based modes.

Should be expandable and up gradable.

Should have the both pressure & flow trigger sensitivity.

Minimum of following Modes of ventilation should be present: -

- CAMV – controlled Assisted mechanical ventilation
- SIMV – with pressure and volume support mode (VS)
- Pressure controlled ventilation
- Tube compensation
- PRVC
- BIPAP/Bi-level or equivalent with pressure support
- CPAP
- PAV+ (Proportional Assist Ventilation) or equivalent mode

Should have following Parameters: -

Tidal volume: 5 to 2000 ml

- Frequency: 2 to 150 b/m
- Pressure support: 0 to 70 cmH<sub>2</sub>O
- Inspiratory time 0.2 – 8 sec.
- Inspiratory flow: 3-150 L/min.
- Inspiratory pressure : 5-90 cmH<sub>2</sub>O
- Exhalation Sensitivity: 1-80% of Spont. Peak Flow
- Oxygen cone. :- 21 to 100%
- PEEP / CPAP : 0-45cmH<sub>2</sub>O

Following parameters should be monitored:-

- a) Volume: Exp. Tidal volume & M.V
- b) T<sub>insp</sub>.

- c) Frequency
- d) FiO<sub>2</sub>
- e) Pressure: peak, plateau, peep, mean
- f) Resistance and compliance
- g) Ti/ Total & RSBI, P0.1 and Vital capacity

Should have user programmable Apnea back-up & should have detection of severe patient occlusion to

protect patient against excessive airway pressure, terminate normal ventilation and allow patient to

exhale through inspiratory limb by opening safety valve.

Should have at least 10" size integrated colored touch screen.

Should display: -

- a) Wave forms: P x t, f x t, v x t
- b) Loops: p x v, f x v
- c) Should have different color for different breath

Alarms: - Audio visual Alarms for low air pressure, low oxygen pressure, low and high inspiratory

pressure, low and high rate, leak rate, disconnection, apnea alarm time 15-60 sec, low battery etc.

Should have reusable auto cleavable heated bacterial filter exhalation isolation system

Inbuilt Battery back up for ventilator for at least 30 min.

Essential Accessories:-

- A) Reusable heated bacterial filter/cassette exhalation isolation system- 10no.
- B) Humidifier- Heated temperature controlled, preferably temperature monitored with alarms- 1 no.
- C) Reusable humidifier chamber- 01no
- D) Heater wires – 01no.
- E) Heater wire adapter- 01no.
- F) Flow sensor if applicable with flow sensor cables- 10no.
- G) Reusable Breathing Circuits adult = 05no.
- H) Reusable breathing Circuits pediatrics = 05no.
- I) Reusable breathing circuits neonatal = 01no.
- J) Nebulizer-

Ultrasonic nebulizer with pore size up to 2 micro meters to deliver medicament. It should not

affect Ventilator parameter delivered to pt. When in use & it has both timed and Continuous

nebulisation mode.

K) Compressor

a. Should be of same make as of ventilator.

b. Should be oil free, medical grade and silent (less than 60db at 1/meter) and flow upto 160LPM.

c. Should have high temperature and low-pressure alarms.

d. Compatible to be connected to compressed air from hospital central gas supply.

L) Trolley

The equipment should be US FDA Approved.

#### **Item No. 46**

##### **VIDEO COLPOSCOPE**

- Qualify stereoscopic optics. Facilities assessment of the finest epithelial changes.
- Ergonomic design: For convenient and fast positioning and focusing of colposcope
- Compact size: To conveniently fit in all OPD rooms and allow it to be moved for other OPD rooms
- Inclinable Binocular tubes 0-180 degree or more: for best viewing experience
- Objective lenses: with different focal lengths allow user to select the convenient working distance. 300 mm, 400 mm
- Stepless zoom magnification settings: allow user to study epithelium at high magnification and carry you treatment at low magnification.
- Swing in vessel delineation fitter: For improved visual activity.
- Optimum cold light illumination system: Help distinguishing small color differences in epithelium

Suitable for tuboplasty (with swivel Arm Stand) & other Micro Surgical Procedure.

Beam splitter

TV tube for attaching camera

#### **Item No. 47**

##### **Volumetric Infusion Pump**

Flow rate should be from 0.1 to 999 ml/hr with 0.1ml/hr increment

It should have choice of Micro & Macro drops

Volume Limit should be more than 9900ml

It should use conventional tubing (4 mm), PVC any Indian Make

Immediate display of choice of programming after purge

Must have function for immediate forward & reverse of screen/programming parameters

Programming :

ml/hr,

time x volume limit.

Weight x concentration x dose

Must have Occlusion Pressure from 0 to 120 kPa

KVO should be 0.1 ml to 3ml/hr

Bolus rate should be more than 900 ml/hr

Must have Special functions like Titration , Fluid Balance

Time limit from 1min to 99hrs & 59 minutes.

Should have pre alarms – Ultrasonic sensor type

Visual / sound alarms like End of Battery Power , Incorrect flow rate, Door open, No drops, Occlusion , programming error, Running in KVO, Fluid balance etc.

Flow rate deviation with standard tubing should not be more than +/- 6% of the programmed flow rate.

Battery Rechargeable more than 5 hrs of operation

Should be able to work on 220 Volts

The product should have GMP, CE & ISO 13485 certifications

### **Item No. 48**

#### **Baby Warmer**

Infant warmer to be used in neonatology.

The unit should conform all relevant international, national and local standards.

Specifications

Temperature control:

- Range 30-38° C
- Skin range 25 – 42 °
- Increment 0.1°
- Display Digital

Control Unit (to be supplied with.)

- Automatic heat control type
- Set point mechanism
- Heater Indicator.

Alarms (Audible and Visual)

- High air temperature
- Sensor disconnect
- Power Failure

Alarm in manual mode: every 15 minutes with automatic shutoff

The warmer should includes:

- Self- check features
- Breaks for casters
- Skin sensor
- Supplemental humidity
- Protection against breaks and bursts of radiant and light source
- Spares and accessories

- Service and users manuals

Accessories:

- No. of hand ports 6
- No. of tubing ports 6
- No. of oxygen inlet port 1
- Backup thermostat

Examination Light 50 W Halogen

Radiant heat source Quartz tube 600w

- Phototherapy lights
- Resuscitation equipment packages
- X-Ray cassette holder

### **Item No. 49**

#### **Infant Resuscitator**

Manometer Range: 20 to 80 cm H<sub>2</sub>O (-20 to 7.8 kPa)

Maximum Pressure relief should be 5 to 70 cm h<sub>2</sub>O at 8 LPM

Peak inspiratory Pressure (PIP) should be 5 to 70 cm H<sub>2</sub>O at 8 LPM

Positive-end expiratory pressure PEEP) should be 1 to 9 cm H<sub>2</sub>O at 8 LPM.

Gas inlet flow range:-

5 LPM (min) to 15 LPM (max) If the gas inlet flow rate increases from 5 to 15 LPM, the peak inspiratory pressure typically increases approximately 8cm H<sub>2</sub>O (0.8 kPa).

Delivered oxygen Concentration: - Up to 100% depending on gas supply

Operating time (400 L cylinder):- @ 8 LPM 50 minutes

Recommended body weight: - Up to 10 kg (22 lb)

Should be supplied with all related tubing's and consumable (Preferable reusable) for at least 50 cases (application)

### **Item No. 50**

#### **Open Care System**

It should micro processed control and Temperature range should be 25°C to 38°C

Temperature indication range 20°C to 45°C

Power Adjustment (Manual Mode) 0-100%

Display resolution Skin Temp. Should be 0.1°C

Control Precision (skin Temp.) +/- 0.2°C

Alarms: - Power failure

High temp. - +1°C +/- 0.2°C

Low temp. - -1°C +/- 0.2°C

Safety High temp. 15 Min. on Maximum power

Probe failure, dislodged skin probe

Manual Mode – Every 10 Min.

It should have indication for Heating Power bar graph, Sound inhibit, manual mode, servo mode.

It should have metabolic scale with capacity 7Kg display resolution 2gm.

Heater power 560 W

It should have rotary reflector 180°

Voltage 220 V 50/60 Hz

Height till mattress area should be 1000mm (+/-100mm)\*

Mattress dimensions 565mm X 810mm

Bed Inclination grade up to 12°

It should have height adjustment mortised

It should have X ray cassette tray.

It should have 4 drawers with tray.

It should have observation lamp.

It should have blender set for O<sub>2</sub> support with two flow meters with one humidification flask and O<sub>2</sub> mask with 1.5 meter hose.

It should have aspirator with vacuum meter mounted on the front panel.

It should have gas panel with two O<sub>2</sub> and two compressed air and one vacuum outlet, ABNT slanted.

It should have I.V. Pole.

It should have upgar timer 0 to 10 Min.

It should have tray for monitor

### **Item No. 51**

#### **PAEDIATRIC UPPER GI VIDEO ENDOSCOPE WITH ACCESSORIES , VIDEO BRONCHOSCOPE (PAED) AND VIDEO COLONOSCOPE**

##### **UPPER GI VIDEO ENDOSCOPE (PAED) WITH RELATED ACCESSORIES**

Video Gastroscope with band imaging facility

Slim, light weight, fully immersible in disinfectant solution

Field of view: 120° to 150°

Depth of field: 3 - 100 mm

Tip Deflection: Up/Down 210 °/90°

Left/Right 100°/100°

Distal end diameter: Less than 8.7 mm

Insertion tube diameter: Not more than 8.5 mm

Instrument channel: 2.8 to 3.2 mm

Working length: 1050 to 1100 mm

Total length: 1350 to 1400 mm

Xenon light source cum video processor

Integrated or separate units with Xenon lamp

Color System : Single CCD Color

Lamp: 300 W Xenon

Appropriate connectors

Image display size: Full and small screen display on monitor

Video outputs: RGB, Y/C & composite output

Light control system: Automatic and manual control

Cooling system: Forced air cooling

Voltage: 220V to 240V (PAL)

Frequency: 50Hz

Video Processing System: (common for all videoscope)

The Video Processor Should have facility of compact flash memory card. Processor should have facility

to connect balloon enteroscope and endoscopy ultra sound.

LCD Digital Monitor 19", ( Colour medical grade)

Endoscopy trolley (should from OEM): 2

Software for image capturing. DVD recorder, color printer, Archiving memory, report generator.

PC – Pentium IV or higher with HDD 250 GB, RAM 2GB, TFT 21 inch, DVD R/W Drive

Other Accessories:

Biopsy forceps

Bite block

Leakage tester

Cleaning brush

Aspiration needle

FB Forceps

#### **VIDEO BRONCHOSCOPE (Paed)**

a. Light weight, fully immersible in disinfectant solution.

Compatible with LASER.

Compatible with electrosurgical accessories.

Latest color CCD chip technology.

b. This system should be compatible with the video processing system for Gastroscopy

Field of View: 120°

Depth of Field: 3 ---- 100 mm or better

Direction of View: Forward Viewing

Distal end diameter: less than 5.0 mm

Working Length: 580 mm to 600 mm

Minimum Visible distance: 3 mm from distal end

Bending Range: Up – 180 °

Down – 130°

Instrument Channel: Minimum 2.0mm

Accessories:

Biopsy forceps: 2 (Fenestrated 1, Alligator type 1)

Grasping forceps, sharp tooth type: 1

Cytology brush set: 12

Cannula: 1



Coagulation electrode with cord: 1

Cleaning and maintenance kit: 1

This system should be compatible with the video processing system for Gastroscopy.

### **VIDEO COLONOSCOPE (Paed)**

Slim, light weight, fully immersible

Must have band imaging facility/chromo endoscopy

Single action light guide/processor connector

Field of View: 120° to 140°

Depth of field: 3 mm - 100 mm or better

Rigid distal diameter: Not more than 11 mm

Insertion tube diameter: 12 mm or less

Tip Deflection: Up – 180 °/180°

Down – 160°/160°

Diameter of instrument channel: 3.2 mm

Working length: less than 1700 mm

Total length: 2000 mm or less

Accessories like snare, biopsy forceps,

This system should be compatible with the video processing system for Gastroscopy.

### **Item No. 52**

#### **TRANSPORT INCUBATOR**

- Built-in membrane pump & receiver bottle complete within the incubator chassis, with ECG, SPO2, NIBP monitor.
- Oxygen flow meter & 1 lit O2 cylinder with clear front panel display of pressure completely integrated within the incubator.
- Manual temp. setting with over temp (40° C) audible & visual alarm.
- Internal lighting
- Removable infant tray.
- Special straps to fix the transport incubator securely to all stretchers in both ambulance & helicopters.
- Harness to secure the infant on the tray.
- Power supply: Main supply and dry battery (12V) or mains power supply of ambulance/automobile/helicopter.
- Should have a 25x10 mm rail at the back of transport incubator.
- Relative humidity up to 60% C distilled water.
- Weight with 1 lit O2 tank not to exceed 25 kgs.
- Unit should be completely detachable from trolley for putting in plane.
- Unit should be complete with all accessories and startup kit, extra dry battery for 12 hours work, probes electrodes etc.

## GENERAL TECHNICAL SPECIFICATIONS

### GENERAL POINTS:

#### 1. Warranty:

- a) Comprehensive Warranty as stated in GCC clause No. 15 (in Section – IV) for complete equipment (including X ray tubes, HT Cable, Probes, Electrodes, Detectors, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/ Dispensaries/ Institute/ Medical College.
- b) 98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) All software updates should be provided free of cost during Warranty period.

#### 2. After Sales Service:

- a) After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer/Indian Agent. Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply.
- b) The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

#### 3. Training:

On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the consignee.

#### 4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Turnkey:

- a) **The cost of Annual Comprehensive Maintenance Contract (CMC)** which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period **to be quoted for next 5 years on yearly basis** for complete equipment (including X ray tubes, HT Cable, Probes, Electrodes, Detectors, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC to be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of CMC will be added for Ranking/Evaluation purpose.
- d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
- e) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- g) All software updates should be provided free of cost during CMC.

- h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- i) The payment of CMC will be made as stipulated in GCC Clause 21.

#### 5. **Turnkey:**

Turnkey is indicated in the technical specification of the respective items, wherever required. The Tenderer shall examine the existing site where the equipment is to be installed, in consultation with HOD of Hospital/Institution/Medical College concerned. Turnkey details of each Hospital/Institution/Medical College are given at the end of Technical Specification. The Tenderers to quote prices indicating break-up of prices of the Machine and Turnkey Job of each Hospital/Institution/Medical College. **The Turnkey costs may be quoted in Indian Rupee will be added for Ranking Purpose.**

The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

The Turnkey Work should completely comply with AERB requirement, if any.

## Section – VIII

### Quality Control Requirements

(Proforma for equipment and quality control employed by the manufacturer(s))

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

- 01 Name of the manufacturer
  - a. full postal address
  - b. full address of the premises
  - c. Email ID
  - d. telephone number
  - e. fax number
- 02 Plant and machinery details
- 03 Manufacturing process details
- 04 Monthly (single shift) production capacity of goods quoted for
  - a. normal
  - b. maximum
- 05 Total annual turn-over (value in Rupees)
- 06 Quality control arrangement details
  - a. for incoming materials and bought-out components
  - b. for process control
  - c. for final product evaluation
- 07 Test certificate held
  - a. type test
  - b. BIS/ISO certification
  - c. any other
- 08 Details of staff
  - a. technical
  - b. skilled
  - c. unskilled

**Signature and seal of the Tenderer**

## Section – IX

### Qualification Criteria

01. The Tenderer must be a Manufacturer or its authorized Agent.
02. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 100% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily. The foreign Manufacturer satisfying the above criteria should also have supplied and installed in last **Five** years from the date of Tender Opening, at least 50% (or one No. where the schedule of requirement is one no.) of quoted quantity of similar model which is functioning satisfactorily any where outside the country of manufacture.
02. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 02 (a) should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 50% (or one No. where the schedule of requirement is one no. ) of the quoted quantity of similar equipment which is functioning satisfactorily, any where in India of the same manufacturer.

**Note:**

1. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma 'A'.

The manufacturer as well as the Tenderer/ Indian Agent shall furnish Satisfactory Performance Certificate in respect of above, duly translated in English and duly notarized, alongwith the tender. The performance certificate should be in accordance with the requirement of clause 2 (a) / 2 (b) as stated above.

2. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.
3. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.
4. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

**PROFORMA 'A'**  
**PROFORMA FOR PERFORMANCE STATEMENT**

(For the period of last five years)

Tender Reference No.: \_\_\_\_\_

Date & Time of opening: \_\_\_\_\_

Name and address of the Tenderer: \_\_\_\_\_

Name and address of the manufacturer: \_\_\_\_\_

Order placed by (full address of Purchaser/Consignee)	Order number and date	Description of ordered goods and services	Quantity of ordered goods	Value of order (Rs.)	Date of completion of Contract		Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily (attach documentary proof)**
					As per contract	Actual		
1	2	3	4	5	6	7	8	9

**Signature and seal of the Tenderer**

\*\* The documentary proof will be a certificate from the consignee/end user with cross-reference of order no. and date in the certificate duly notarised certification authenticating the correctness of the information furnished. If at any time, information furnished is proved to be false or incorrect, the earnest money and or performance security furnished will be forfeited. Such certificates from a third party or middleman other than actual end user will not be accepted. The satisfactory performance implies working satisfactorily without any complaint since the date of installation, commissioning & handing over to the end user as per the standard format enclosed.

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## Section – X TENDER FORM

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Date \_\_\_\_\_

**To,  
Head (P & CD)  
HLL Lifecare Limited  
Procurement and Consultancy Division  
B-14A, Sector -62, Noida -201307, Uttar Pradesh**

Ref. Your TE document No. \_\_\_\_\_ dated \_\_\_\_\_

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. \_\_\_\_\_, dated \_\_\_\_\_ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver \_\_\_\_\_ (Description of goods and services) in conformity with your above referred document.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – “Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance as required in the GIT clause 20, read with modification, if any in Section - III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

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**(Signature with date)**

**(Name and designation) Duly authorised to sign tender for and on behalf of**

**SECTION – XI PRICE SCHEDULE****A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1	2	3	4	5							6
				Price per unit (Rs.)							
Item Sl. No.	Brief Description of Goods (with make & model)	Country of Origin	Quantity (Nos.)	Ex - factory/ Ex - warehouse /Ex-showroom /Off - the shelf (a)	Excise Duty (if any) [%age & value] (b)	Sales Tax/ VAT (if any) [%age & value] (c)	Transportation, loading/ unloading and Incidental costs till consignee's site (d)	Insurance charges for a period including 3 months beyond the date of delivery (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (f)	Unit Price (at Consignee Site) basis (g) =a+b+c+d+e+f	Total Price (at Consignee Site) basis (Rs.) 4 x 5(g)

Total Tender price in Rupees: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: -**

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section-XI – Price Schedule C

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Place: \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Date: \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_



**B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5											
				Price per unit (Currency)										Unit price on DDP basis at consignee's site	
				Gross FOB price at sea/air port of Lading (inclusive of Agency Commission)	Amount and percentage of Agency Commission **	Net FOB (excluding Agency Commission) (a-b)	Insurance & Freight	Net CIP by Air/ Sea at the port of entry (c+d)	Custom Duty amount as % of Net CIP (amount with CDEC as applicable) **	Custom Clearance & Handling Charges **	Loading/ Unloading, inland transportation, insurance as per Clause 11 of GCC & incidental cost till consignee's site **	Installation commissioning, supervision. Demonstration & training at the consignee's site **	In foreign currency	In Indian Rupees	
(a)	(b)	(c)	(d)												(e)

\*\* to be quoted in Indian Currency

Total price at Consignee's site

(A) In foreign currency : column (4 x e) \_\_\_\_\_ (In figures and words) plus  
 \*\* (B) In Indian Rupees : column 4 x (b+f+g+h+i) Rs \_\_\_\_\_ (In figures and words)

**Note: -**

1. The Tenderer will be fully responsible for the safe arrival of the goods at the consignee site in good condition as per terms of contract.
2. The bidders break up of prices under various columns is for comparison of prices up to delivery of goods at consignee's site for tender evaluation.
3. The quoted price should be supported with original proforma invoice from the foreign manufacturers. The proforma invoice should indicate the percentage of agency commission included in the FOB prices. Indian Agent to be paid in Indian Currency.
4. All the components of the DDP price will be paid by the tenderer. The purchaser will make the payment of DDP price after receipt of goods at consignee's site in good condition as per payment terms in the contract.
5. The prices quoted in foreign currency in column (e) shall be converted in Rupees at the selling rate of exchange applicable on the date of tender opening. The customs duty amount so worked out as percentage of net CIP value in rupees will be taken for evaluation and comparison of tenders
6. The charges for Annual CMC after warranty shall be quoted separately as per Section-XI – Price Schedule C

Name \_\_\_\_\_  
 Business address \_\_\_\_\_  
 Signature of Tenderer \_\_\_\_\_  
 Seal of Tenderer \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**C) PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD**

1	2	3	4					5
Item Sl. No.	Brief Description of the Goods	Quantity (Nos.)	Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

\* After completion of Warranty period

**NOTE:-**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual and labour, after satisfactory completion of Warranty period may be quoted for next 5 (or as specified) years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98 % on 24 (hrs) x 7 (days) x 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name\_\_\_\_\_

Business Address\_\_\_\_\_

Place: \_\_\_\_\_

Signature of Tenderer\_\_\_\_\_

Date: \_\_\_\_\_

Seal of the Tenderer\_\_\_\_\_

**D) PRICE SCHEDULE FOR TURNKEY**

<b>Item Sl. No.</b>	<b>BRIEF TURNKEY DESCRIPTION OF GOODS</b>	<b>CONSIGNEE CODE</b>	<b>Turnkey price</b>

**Note: -**

1. The cost of Turnkey as per Technical Specification (Section VII) may be quoted on lump sum along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
2. Cost of Turnkey will be added for Ranking/Evaluation purpose.
3. The payment of Turnkey will be made as per clause GCC clause 21.1 (c).
4. The stipulations in Technical Specification will supersede above provisions

Name\_\_\_\_\_

Business Address\_\_\_\_\_

Place: \_\_\_\_\_

Signature of Tenderer\_\_\_\_\_

Date: \_\_\_\_\_

Seal of the Tenderer\_\_\_\_\_

**SECTION – XII  
QUESTIONNAIRE****Fill up the Section XX – Check List for Tenderers and enclose with the Tender**

1. The tenderer should furnish specific answers (alongwith mention of relevant page nos. of tender) to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark “not applicable”
2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.
3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

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**SECTION – XIV**  
**MANUFACTURER’S AUTHORISATION FORM**

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To,

**Head (P & CD)**

HLL Lifecare Limited  
Procurement and Consultancy Division  
B-14A, Sector -62, Noida -201307, Uttar Pradesh

Dear Sir,

Ref. Your TE document No \_\_\_\_\_, dated \_\_\_\_\_

We, \_\_\_\_\_ who are proven and reputable manufacturers of \_\_\_\_\_ (*name and description of the goods offered in the tender*) having factories at \_\_\_\_\_, hereby authorise Messrs \_\_\_\_\_ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. \_\_\_\_\_ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

**We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract**, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also confirm that the price quoted by our agent shall not exceed than that which we would have quoted directly.

Yours faithfully,

---

[Signature with date, name and designation]  
for and on behalf of Messrs \_\_\_\_\_

[Name & address of the manufacturers]

*Note: 1. This letter of authorisation should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.*  
*2. Original letter may be sent.*

**SECTION – XV**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY**

To  
Head of Hospital/Institute/Medical College of ESIC

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after 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 commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;  
AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW 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.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid till 2 (two) months beyond the warranty period, i.e up to ----- (indicate date)

.....  
(Signature with date of the authorised officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

**SECTION – XVI**  
**CONTRACT FORM - A**

**CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS**

(Address of the Purchaser's/Consignee's office issuing the contract)

Contract No \_\_\_\_\_ dated \_\_\_\_\_

**This is in continuation to this office's Notification of Award No \_\_\_\_\_ dated \_\_\_\_\_**

1. Name & address of the Supplier: \_\_\_\_\_
2. Purchaser's TE document No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent Amendment No \_\_\_\_\_, dated \_\_\_\_\_ (if any), issued by the purchaser
3. Supplier's Tender No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent communication(s) No \_\_\_\_\_ dated \_\_\_\_\_ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

- (i) General Conditions of Contract;
- (ii) Special Conditions of Contract;
- (iii) List of Requirements;
- (iv) Technical Specifications;
- (v) Quality Control Requirements;
- (vi) Tender Form furnished by the supplier;
- (vii) Price Schedule(s) furnished by the supplier in its tender;
- (viii) Manufacturers' Authorisation Form (if applicable for this tender);
- (ix) Purchaser's Notification of Award

Note : The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

- (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Item Sl. No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

Any other additional services (if applicable) and cost thereof: \_\_\_\_\_

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

- (ii) Delivery schedule
- (iii) Details of Performance Security
- (iv) Quality Control
  - (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
  - (b) Designation and address of purchaser's inspecting officer
- (v) Destination and despatch instructions
- (vi) Consignee, including port consignee, if any
- (vii) Warranty clause
- (viii) Payment terms
- (ix) Paying authority

\_\_\_\_\_  
**(Signature, name and address  
of the Purchaser's/Consignee's authorised official)  
For and on behalf of \_\_\_\_\_**

Received and accepted this contract

\_\_\_\_\_  
(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_



**CONTRACT FORM – B**  
**CONTRACT FORM FOR COMPREHENSIVE MAINTENANCE CONTRACT**

**Comprehensive Maintenance Contract No.** \_\_\_\_\_ **dated** \_\_\_\_\_  
 Between \_\_\_\_\_

(Address of Head of Hospital/Institute/Medical College)  
 And \_\_\_\_\_

(Name & Address of the Supplier)

**Ref: Contract No** \_\_\_\_\_ **dated** \_\_\_\_\_ (Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty of goods)

In continuation to the above referred contract

- a) The Contract of Comprehensive Maintenance is hereby concluded as under: -

1	2	3	4					5
Item Sl. No.	BRIEF DESCRIPTION OF GOODS	Quantity (Nos.)	Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from \_\_\_\_\_ (date of expiry of Warranty) and will expire on \_\_\_\_\_ (date of expiry of CMC)
- c) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance and labour, after satisfactory completion of Warranty period may be quoted for next 5 (or as specified) years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Batteries for UPS, other vacuummatic parts, \_\_\_\_\_ & \_\_\_\_\_) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till \_\_\_\_\_ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. \_\_\_\_\_ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

Section XV of the TE document, along with the signed copy of CMC within a period of 21 (twenty one) days of issue of CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

- h) If there is any lapse in the performance of the CMC as per contract, the proceeds CMC bank guarantee for an amount of Rs. \_\_\_\_\_ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** \_\_\_\_\_ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

\_\_\_\_\_  
**(Signature, name and address of  
Hospital/Institute/Medical College's authorised official)  
For and on behalf of \_\_\_\_\_**

Received and accepted this contract

\_\_\_\_\_  
(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

\_\_\_\_\_  
(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_

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**SECTION – XVII****CONSIGNEE RECEIPT CERTIFICATE**  
**(To be given by consignee's authorized representative)**

The following stores have been received in good condition:

- 1) Contract No. & date : \_\_\_\_\_
- 2) Supplier's Name : \_\_\_\_\_
- 3) Consignee's Name & Address with  
telephone No. & Fax No. : \_\_\_\_\_
- 4) Name of the item supplied : \_\_\_\_\_
- 5) Quantity Supplied : \_\_\_\_\_
- 6) Date of Receipt by the Consignee : \_\_\_\_\_
- 7) Name and designation of Authorized  
Representative of Consignee : \_\_\_\_\_
- 8) Signature of Authorized  
Representative of Consignee with  
date : \_\_\_\_\_
- 9) Seal of the Consignee : \_\_\_\_\_

**SECTION – XVIII**  
**Proforma of Final Acceptance Certificate by the Consignee**

No \_\_\_\_\_

Date \_\_\_\_\_

To

M/s \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Subject:** Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

- (a) Contract No \_\_\_\_\_ dated \_\_\_\_\_
- (b) Description of the equipment(s)/plants: \_\_\_\_\_
- (c) Equipment(s)/ plant(s) nos.: \_\_\_\_\_
- (d) Quantity: \_\_\_\_\_
- (e) Bill of Loading/Air Way Bill/Railway  
Receipt/ Goods Consignment Note no \_\_\_\_\_ dated \_\_\_\_\_
- (f) Name of the vessel/ Transporter: \_\_\_\_\_
- (g) Name of the Consignee: \_\_\_\_\_
- (h) Date of commissioning and proving test: \_\_\_\_\_

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered
---------	---------------------	----------	------------------------

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfil its contractual obligations with regard to the following:

He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.

He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract

is \_\_\_\_\_.

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is \_\_\_\_\_ (here indicate the amount).

Signature

Name:

Designation with stamp

**## Explanatory notes for filling up the certificate:**

- He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- Training of personnel has been done by the supplier as specified in the contract
- In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

## SECTION – XIX

### DETAILS OF SHIPPING ARRANGEMENT FOR LINER CARGOES IN RESPECT OF C&F/CIF/TURNKEY/F.O.R CONTRACTS FOR IMPORTS

1. SHIPMENT FROM PORTS OF U.K INCLUDING NORTHERN IRELAND (ALSO EIRE), FROM THE NORTH CONTINENT OF EUROPE (GERMANY, HOLLAND, BELGIUM, FRANCE, NORWAY, SWEDEN, DENMARK, FINLAND AND PORTS ON THE CONTINENTAL SEABOARD OF MEDITERRANIAN (I.E. FRENCH WESTERN ITALIAN PORTS), TO PORTS IN INDIA.

The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India-Pakistan-Bangladesh Conference. If the Seller finds that the space on the 'Conference Lines' vessels is not available for any specific shipment, he should take up with India-Pakistan-Bangladesh Conference, Conferity House, East Grinstead, Sussex (UK), for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

The Seller should arrange shipment through the Government of India's Forwarding Agents, M/s Schenker & Co., 2000-Hamburg (Cable: SCHENKER CO., HAMBURG) OR obtain a certificate from them to the effect that shipment has been arranged in accordance with instructions of the Ministry of Surface Transport, (TRANSCHART), New Delhi.

2. SHIPMENT FORM PORTS OF U.K. INCLUDING NORTHERN

Goods under this contract would be shipped by the national shipping companies of the Contracting Parties operating bilateral shipping service and vessels under the flag of third countries in accordance with the Agreement between the Government of German Democratic Republic and the Government of the Republic of India in the Field of Merchant Shipping signed on 9.1.1979, as amended up-to-date.

3. ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

The seller should arrange shipment of the goods by vessels belonging to the following Indian member lines;

1. The Shipping Purchaser of India Ltd.
2. The Scindia Steam Navigation Co., Ltd
3. India Steamship Co., Ltd

For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should give adequate notice about the readiness of each consignment from time to time at least six weeks in advance of the required position to M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

The seller should arrange shipment through the Government of India's Forwarding Agents M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) or obtain certificate from them to the effect that shipment has been arranged in accordance with the instructions of the Ministry of Surface Transport, (TRANSCHART), New Delhi.

4. SHIPMENT FROM POLAND & CZECHOSLOVAKIA

- (i) IMPORTS FROM POLAND

Shipment under this contract would be made by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the agreement between the Govt. of the Republic of India and the Govt. of the Polish People's Republic regarding Shipping Co-operation dated 27.6.1960 as amended up-to-date.

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.

Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

5. SHIPMENT FROM U.S.S.R

Shipment under this contract should be made in accordance with the agreement between the Government of the Republic of India and the Government of U.S.S.R on Merchant Shipping 1976, as amended up-to-date, by vessels of Indo-Soviet shipping Service.

6. SHIPMENT FROM JAPAN

The shipment of goods should be made of India vessels to the maximum extent possible subject to the minimum of 50%.

The Seller should arrange shipment of the goods in consultation with the Embassy of India in Japan, Tokyo to whom details regarding contract number, nature of cargo, quantity, port of loading/discharge, name of Govt. consignee, expected date of readiness of each consignment etc. should be furnished at least six weeks in advance of the required position.

**Note:** The copies of such contracts are to be endorsed both to the Attached (commercial) embassy of India in Japan, Tokyo, and the shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi.

7. SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, EGYPT

The Seller shall arrange shipment of the goods by Indian flag vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels, the seller shall give adequate notice of not less than six weeks about the readiness of each consignment to the Shipping Purchaser of India Ltd., SHIPPING HOUSE, 245, Madame Cama Road, Bombay – 400 021 (CABLE: SHIPINDIA BOMBAY) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

8. SHIPMENT FROM PAKISTAN

The shipment of cargoes should be made by Indian vessels to the maximum extent possible subject to a minimum of 50 %.

Shipment arrangement should be made by the sellers in consultation with M/s Mogul Line Ltd., 16-Bank Street, Fort, Bombay – 400023 (Cable: MOGUL BOMBAY; Telex: 011 – 4049 MOGUL), to whom, details regarding contract number, nature of cargo, quantity, port of lading discharging, name of government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

#### 9. SHIPMENT FROM U.S ATLANTIC & GULF PORTS

The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India – Pakistan – Bangladesh – Ceylon and Burma Outward Freight Conference. If the Seller finds that the space of the ‘Conference Lines’ vessels is not available for any specific shipment he should take up with India – Pakistan- Bangladesh – Ceylon and Burma Outward Freight Conference, 19, Rector Street, New York, N.Y. 10006 USA, for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

#### 10. SHIPMENT FROM ST. LAWRENCE AN EASTERN CANADIAN PORTS

The Seller should arrange shipment of the goods by vessels belonging to the following shipping lines;

1. The shipping Purchaser of India Ltd.
2. The Scindia Steam Navigation Co., Ltd

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

#### 11. SHIPMENT FROM WEST COAST PORTS OF U.S.S CANADA AND OTHER AREAS NOT SPECIFICALLY MENTIONED ABOVE

The Seller should arrange shipment of the goods by Indian vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should furnish the details regarding contract number, nature of cargo, quantity, port of lading, discharging, name of government consignee, expected date of readiness of each consignment etc. to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) at least six weeks in advance of the required position.

#### **B) BILLS OF LADING:**

- (i) C.I.F./C&F/TURNKEY SHIPMENTS

The Bills of lading should be drawn to indicate Shipper and ‘Consignee’ as under:

**SHIPPER:** The C.I.F (C&F)/TURNKEY SUPPLIERS concerned.



**CONSIGNEE:** As per consignee's particulars in the contract (The name and address of the 'Port Consignee' and 'Ultimate' both should be indicated).

(ii) F.O.R SHIPMENTS

The Bills of lading should be drawn indicating shipper Consignee as under:

**SHIPPER:** The F.O.R suppliers Concerned

**CONSIGNEE:** Supplier's Indian Agent on order

**Note:**

1. Moreover the name of the 'Purchaser' and 'Ultimate' Consignee should appear in the body of the Bills of Lading as the 'Notify' or as a remark.
2. Two non-negotiable copies of the Bills of Lading indicating the freight amount and discount, if any allowed, should be forwarded to The Shipping Co-ordination Officer, Ministry of surface Transport (Chartering Wing), New Delhi after the shipment of each consignment is effected.
3. The seller should avoid the use of over-aged vessels for the shipment of the goods under the contract and if so used the cost of additional. Insurance, if any, shall be borne by the seller.

## SECTION – XX

### CHECKLIST

**Name of Tenderer:**

**Name of Manufacturer:**

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
1.	Have you enclosed EMD of required amount for the quoted schedules?			
2(a).	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
2(b).	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
3.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
4(a).	Have you enclosed duly filled Tender Form as per format in Section X?			
4(b).	Have you enclosed Power of Attorney/ Authorisation in favour of the signatory?			
5.	Have you submitted manufacturer's authorization as per Section XIV?			
6.	Have you submitted the certificate of incorporation?			
7(a).	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
7(b).	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
8.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
9.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
10.	Have you submitted the Quality Control Requirements as per Proforma given in Section VIII of TE document?			
11.	Have you accepted delivery period as per TE document?			
12.	Have you accepted the terms of delivery as per 'DDP at consignee site basis'?			
13.	Have you accepted the warranty/CMC as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you fully accepted payment terms as per TE document?			
16(a)	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
16(b)	Have you submitted satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
17.	Have you submitted copy of the order(s) against the above end user certificate (s)?			
18.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

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**N.B.**

1. All pages of the Tender should be page numbered and indexed.
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
3. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

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(Signature with date)

---

(Full name, designation & address of the person duly authorised sign on behalf of the  
Tenderer)

For and on behalf of

---

---

(Name, address and stamp of the tendering firm)

**Section – XXI****Consignee addresses**

Consignee Code	Consignee Address
Peenya	Medical Superintendent ESIC Hospital, Peenya, Bangalore-58

**NB:** The purchaser/consignee will ensure timely issue of CDEC, Octroi Exemption Certificates, Road Permits & Entry Tax Exemption Certificates, wherever applicable, to the suppliers.