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-82/11-12

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
Ph: 0120-4071500; Fax: 0120-4071513
URL: www.lifecarehll.com
Email: pcd@lifecarehll.com

INDEX

SECTION I

NOTICE INVITING TENDERS (NIT)

1. Tender Enquiry No. HLL/PCD/ESIC-82/11-12 Date: 03.12.2011

Procurement & Consultancy Services Division of HLL Lifecare Limited (Formerly Hindustan Latex Limited) have been contracted by Director General of Employee State Insurance Corporation (ESIC) to procure Medical Equipment for various ESI Hospitals, invite sealed tenders from eligible and qualified tenderers for supply of following Medical Equipment**.**

Sl. No.	Description	Total Qty.	EMD amount (Rs.)
1	Biphasic Defibrilator	37	222,000
2	Defibrillator with AED and pacing with monitor	1	7,500
3	150 mA X-ray Machine	2	22,000
4	90 Degree Rigid Laryngo Pharyngoscope	1	7,000
5	Flexible Rhino Laryngo Pharyngoscope	1	12,000
6	Tele-Laryngo Pharyngoscope	1	12,000
7	Camera for Nasal Endoscope and Laryngopharyngoscope compatible with monitor in Examination unit	1	8,000
8	Pediatric Resectoscope	1	7,000
9	Operating Laparoscope Set for Gynaec	1	80,000
10	Hysteroscopy Set	1	44,000
11	A-scan	1	5,000
12	Ophtalmic Ultrasound (A&B combined)	4	76,800
13	Non Contact Tonometer	1	2,500
14	Phaco Emulsification Machine	1	100,000
15	Visual field analyser	1	8,000
16	Digital aquity system	1	2,000
17	LED Digital Binocular Indirect Ophthalmoscope	1	8,000
18	Slit Lamp	2	64,000
19	Slit Lamp Biomicroscope	1	32,000
20	Autoclave	1	3,000
21	Bilirubinometer	1	6,000
22	Binocular Microscope with illumination & photography	4	80,000

Sl. No.	Description	Total Qty.	EMD amount (Rs.)
23	Blood gas analyser	1	14,000
24	Blood Vessel Sealer	1	14,000
25	Quality Mixer	1	2,000
26	Mobile Blood Transportation Box	2	4,000
27	Ultrasound machine 4 D with colour Doppler with biopsy attachment	1	90,000
28	Cardiotocograph	2	16,000
29	Cardiotocograph machine with accessories	1	8,000
30	BOD Incubator	1	6,000
31	Cryosurgical unit	1	10,000
32	Referigerator 2000 litres for kits	2	12,000
33	Refregirated Centrifuge Table Top	1	6,000
34	Dental Chair	1	12,000
35	Dental Sterilizer	1	8,000
36	Intra Oral, Digital Radiography/ imaging	1	12,000
37	ECG Machine 12 Channel	1	7,000
38	ECG Machin Single Channel	2	1,000
39	Fully automated ELISA reader with washer	2	36,000
40	Embedding machine with cooling station	1	24,000
41	Examination light mobile - 20000 lux	10	30,000
42	Fully Automatic Biochemistry Analyzer-Random Access	1	60,000
43	Fully Automatic ESR Analyzer	1	3,000
44	Fully Automatic Heamatology Analyzer-Three Part	1	10,000
45	Glycosylated Haemoglobinometer	1	12,000
46	Holmium laser	1	50,000
47	Computer Radiography with Processor	1	60,000
48	Operation Theatre Light (Mobile)	1	3,000
49	Baby warmer	4	4,000
50	Phototherapy machine	1	1,000
51	Double Surface Phototherapy Unit	1	2,000
52	Transport incubator	1	14,000

Sl. No.	Description	Total Qty.	EMD amount (Rs.)
53	Portable Ventilator	1	10,000
54	Syringe Pump with Drug Library & Calculator	5	8,000
55	UVB Chamber	1	10,000
56	Hand Evaluation Kit	1	1,000
57	Muscle Stimulator	1	4,000
58	Hydrocollator Unit	1	1,000
59	Infrared Lamp	1	500
60	Interferential Therapy with Vaccum	1	4,000
61	Parallel Bar Adult	1	2,000
62	Shortwave Diathermy with electrodes	1	4,000
63	TENS Unit Portable	1	1,000
64	Traction Unit with Traction Bed	1	4,000
65	Erogmeter (Static Cycle - Adult)	1	2,000
66	Treadmill Motorised imported	1	6,000
67	Ultrasonic Therapy	1	4,000
68	Wax Bath	1	800
69	CPM (Knee Unit)	1	2,000
70	Vaccum/ Compression Therapy Unit	1	2,000
71	Vaginal Hysterectomy Set	2	24,000
72	A-Scan Biometer (Imported)	1	20,000
73	Intubating Flexible fibreoptic (Laryngo) Bronchoscope	1	30,000
74	Portable Ultrasound with Colour Doppler	1	44,000
75	Operation Table - Motorized	1	16,000
76	Cystospin	1	4,500
77	Rotary Microtome	1	10,000
78	Ethylene Oxide Sterilizer	1	34,000
79	Electrophoresis Workstation	1	12,000
80	AB Scan with UBM	1	24,000
81	Automated Blood Culture System	1	70,000
82	Trinocular Research Multi/ Penta Head Microscope	1	28,000

Sl. No.	Description	Total Qty.	EMD amount (Rs.)
83	Robotic Therapy equipment	1	24,000
84	O.T table for Orthopaedics compatible with image intensifier	1	60,000
85	C-Arm Image with Intensifier	1	60,000
86	Pneumatic Drill with Saw & reamer	1	44,000

2. Tender No.: HLL/PCD/ESIC-82/11-12

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	07.12.2011 to 05.01.2012, in all working days, during 10:00am to 4:00pm (IST)
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	16.12.2011 at 11.00 am (IST)
v.	Closing date & time for receipt of Tender	06.01.2012 at 2.00 pm (IST)
vi.	Time and date of opening of Techno-Commercial tenders	06.01.2012 at 2.30 pm (IST)
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 or 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 Services Division
B-14A, Sector -62, Noida -201307.
Uttar Pradesh**.**

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

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

This bid document should be read in conjunction with the Notice Initiation Tender (NIT), a copy of which is enclosed with this document. All clauses should be read in conjunction with any other instructions given elsewhere in this document, on the same subject matter of the clause.

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) <u>Techno – Commercial Tender (Un priced Tender)</u>

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-availibility 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.

13.10 HLL Lifecare Ltd. is only a procurement consultant and the supplies/equipments/goods against this tender are meant for ESIC on whose behalf this tender enquiry has been issued.

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 misguiding 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 cannot 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

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

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

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.

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.

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

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, trademarks 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 with out 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 transhipment (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

Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or transhipment 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, Defribrillator 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 (ten) 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

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

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:

(i) 90 % payment of the contract price shall be paid within 24 hours on receipt of goods in good condition and upon the submission of the following documents complete in all respects. Bills shall be returned un-paid in case of any discrepancy. Delay in payment on account of above shall rest with the supplier.

(ii) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;

(iii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;

(iv) Two copies of packing list identifying contents of each package;

(v) Inspection certificate issued by the nominated Inspection agency, if any;

(vi) Insurance Certificate as per GCC Clause 11;

(vii) 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 receipted 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, interalia 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 despatch. 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.

22.6 Passing of Property:

22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.

22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.

22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

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 items at sl. no. 56, 57, 58, 59,61, 63, 65, 68, 69 & 71.

SECTION - VI

LIST OF REQUIREMENTS

Part I:

Sl. No.	Item Description	Andheri	Baddi	Bandel	Bapunagar	Basaidarapur	Bhiwadi	Chandigarh	Ezhukone		Jhilmil	K.K.Nagar	Ludhiana	Manesar	Manicktala	Noida	Paripally	Peenya	Rajajinagar	Rohini	Tirunelveli	Tirupati	Total Qty.
1	Biphasic Defibrilator		6		5		3						3	6	6	8							37
2	Defibrillator with AED and pacing with monitor												1										1
3	150 mA X-ray Machine										2												2
4	90 Degree Rigid Laryngo Pharyngoscope												1										1
5	Flexible Rhino Laryngo Pharyngoscope													1									1
6	Tele-Laryngo Pharyngoscope													1									1
7	Camera for Nasal Endoscope and Laryngopharyngoscope compatible with monitor in Examination unit												1										1
8	Pediatric Resectoscope																		1				1
9	Operating Laparoscope Set for Gynaec																				1		1
10	Hysteroscopy Set					1																	1
11	A-scan																1						1
12	Ophtalmic Ultrasound (A&B combined)				1								1	1								1	4
13	Non Contact Tonometer																1						1
14	Phaco Emulsification Machine												1										1
15	Visual field analyser																1						1
16	Digital aquity system																1						1

Sl. No.	Item Description	Andheri	Baddi	Bandel	Bapunagar	Basaidarapur	Bhiwadi	Chandigarh	Ezhukone		Jhilmil	K.K.Nagar	Ludhiana	Manesar	Manicktala	Noida	Paripally	Peenya	Rajajinagar	Rohini	Tirunelveli	Tirupati	Total Qty.
17	LED Digital Binocular Indirect Ophthalmoscope																1						1
18	Slit Lamp												1				1						2
19	Slit Lamp Biomicroscope			1																			1
20	Autoclave														1								1
21	Bilirubinometer				1																		1
22	Binocular Microscope with illumination & photography													3	1								4
23	Blood gas analyser				1																		1
24	Blood Vessel Sealer																1						1
25	Quality Mixer														1								1
26	Mobile Blood Transportation Box	1													1								2
27	Ultrasound machine 4 D with colour Doppler with biopsy attachment					1																	1
28	Cardiotocograph					2																	2
29	Cardiotocograph machine with accessories												1										1
30	BOD Incubator					1																	1
31	Cryosurgical unit												1										1
32	Referigerator 2000 litres for kits													2									2
33	Refregirated Centrifuge Table Top																1						1
34	Dental Chair												1										1
35	Dental Sterilizer													1									1
36	Intra Oral, Digital Radiography/ imaging									1													1
37	ECG Machine 12 Channel												1										1
38	ECG Machin Single Channel														2								2
39	Fully automated ELISA reader with washer				1												1						2

Sl. No.	Item Description	Andheri	Baddi	Bandel	Bapunagar	Basaidarapur	Bhiwadi	Chandigarh	Ezhukone		Jhilmil	K.K.Nagar	Ludhiana	Manesar	Manicktala	Noida	Paripally	Peenya	Rajajinagar	Rohini	Tirunelveli	Tirupati	Total Qty.
40	Embedding machine with cooling station	1																					1
41	Examination light mobile - 20000 lux									10													10
42	Fully Automatic Biochemistry Analyzer- Random Access																1						1
43	Fully Automatic ESR Analyzer																1						1
44	Fully Automatic Heamatology Analyzer-Three Part																1						1
45	Glycosylated Haemoglobinom eter					1																	1
46	Holmium laser																		1				1
47	Computer Radiography with Processor																	1					1
48	Operation Theatre Light (Mobile)												1										1
49	Baby warmer				4																		4
50	Phototherapy machine					1																	1
51	Double Surface Phototherapy Unit							1															1
52	Transport incubator									1													1
53	Portable Ventilator																1						1
54	Syringe Pump with Drug Library & Calculator																5						5
55	UVB Chamber				1																		1
56	Hand Evaluation Kit												1										1
57	Muscle Stimulator												1										1
58	Hydrocollator Unit												1										1
59	Infrared Lamp												1										1
60	Interferential Therapy with Vaccum												1										1
61	Parallel Bar Adult												1										1

Sl. No.	Item Description	Andheri	Baddi	Bandel	Bapunagar	Basaidarapur	Bhiwadi	Chandigarh	Ezhukone		Jhilmil	K.K.Nagar	Ludhiana	Manesar	Manicktala	Noida	Paripally	Peenya	Rajajinagar	Rohini	Tirunelveli	Tirupati	Total Qty.
62	Shortwave Diathermy with electrodes												1										1
63	TENS Unit Portable												1										1
64	Traction Unit with Traction Bed												1										1
65	Erogmeter (Static Cycle - Adult)												1										1
66	Treadmill Motorised imported												1										1
67	Ultrasonic Therapy												1										1
68	Wax Bath												1										1
69	CPM (Knee Unit)												1										1
70	Vaccum/ Compression Therapy Unit												1										1
71	Vaginal Hysterectomy Set					2																	2
72	A-Scan Biometer (Imported)		1																				1
73	Intubating Flexible fibreoptic (Laryngo) Bronchoscope		1																				1
74	Portable Ultrasound with Colour Doppler		1																				1
75	Operation Table - Motorized								1														1
76	Cystospin														1								1
77	Rotary Microtome														1								1
78	Ethylene Oxide Sterilizer														1								1
79	Electrophoresis Workstation																		1				1
80	AB Scan with UBM																		1				1
81	Automated Blood Culture System																		1				1
82	Trinocular Research Multi/ Penta Head Microscope																		1				1

Sl. No.	Item Description	Andheri	Baddi	Bandel	Bapunagar	Basaidarapur	Bhiwadi	Chandigarh	Ezhukone		Jhilmil	K.K.Nagar	Ludhiana	Manesar	Manicktala	Noida	Paripally	Peenya	Rajajinagar	Rohini	Tirunelveli	Tirupati	Total Qty.
83	Robotic Therapy equipment																		1				1
84	O.T table for Orthopaedics compatible with image intensifier											1											1
85	C-Arm Image with Intensifier																			1			1
86	Pneumatic Drill with Saw & reamer																			1			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 the 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 the 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) to be quoted as per details given in General Technical Specifications para-4. Unless otherwise stated in Special Condition of Contract (SCC) in Section -V, CMC is applicable for all the items.

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

Biphasic Defibrilator

- 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 charge and discharge buttons.
- 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.
- Should have US FDA Approval

Item No 2

Defibrillator with AED & Pacing with Monitor

- Compact, portable and easy to use
- Light weight
- Biphasic
- Vital Parameters monitor and display
- External energy selection form 2J to 200 J biphasic
- Charging time less than 3 seconds @ 200J (with a charged battery)
- Should work on manual & automated ext defibrillator mode (AED). Manual selection up to 360J
- Synchronizer and cardio version
- Unique disarm button (in addition to automatic time delay)
- Should come with high resolution monitor
- Should come with 5 lead ECG that can be measured from cable, hard adult external
- paddles, pediatric adapters, disposable multipurpose defibrillator/pacing/ECG paddles.
- 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. ECG monitoring or 60 full energy discharges.
- Battery indicator on display which should indicate the relative charge status of the battery and self test on battery
- Should measure and compensate for chest impedance for a range of 25-150 ohms
- Should have SPo2 & NIBP integrated facility
- Should conform to international test protocols in exposure to shock forces and to vibration forces
- Unit should have ECG freeze control
- Unit shall display UR (Range 20-300BPM) form ECG electrodes
- If no ECG source is available, HR shall be determined from SPo2
- Equipment should conform national/international standards

Accessories

- Paddles with charge and discharge buttons.
- Paediatric paddles adapters (Set of 2)

- Integral A/C 240 V, V 50Hz charger and mains power source. Adult paddles and test paddles.
- 5 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
- External disposable pacing pads
- Operation manual, service manual complete
- Trolley for keeping Defibrillator If available,
- NIBP Cuff Adult – 1
- NIBP Cuff Paed-1
- NIBP Cuff Infants-1

Reusable SpO2 probes

- Adults – 2
- Paed – 1
- SpO2 Cord – 2

Item No 3

150mA High frequency portable X-ray machine

150 mA high frequency unit for frequent transport and heavy use in-

1. Casualty, operation theatre, nursery, ICU, recovery, labour room, wards, plaster room, orthopaedics procedures and as standalone unit to substitute main x-ray machine.

2. In thick body parts such as chest, abdomen, spin lateral views, hop lateral in restless patients, infants and children.

3. In a 300 bed multi specialty hospital with approximately 150-200 x-rays on main x-ray machine and 15-20 portable x-ray per day.

4. Every feature should be supported by product literature and would have to be demonstrated to technical specification examination committee in various hospitals settings with standard test objects & patients with standard KUP and ampere meters etc.

5. Compatible/ Upgradable with minor modifications for digital radiography in future.

Description for supply, generator, tube, console, collimeter stand and miscellaneous items as follows:

SUPPLY

Should work on hospital electricity supply from main 220±10% volts as well as generator supply with no external transformer with 16 amp single phase plug with some buffering device such as on line capacitor etc. to smoothen fluctuations/spike etc.

GENERATOR

1. Fully microprocessor controlled
2. High frequency
3. Allowing a minimum tube current of 150 mA
4. With KVP ratings of 40-125 KVP in steps of 1KV.
5. And minimum exposure time of 5 mille seconds to 5 secs.
6. Should be capable of occational immediate double (repeat) exposure without large time gap.

Exposure table	KV	mA	Seconds	mAS
Thick restless patient, chest	55	150	0.1sec	15
Thick restless abdomen a) lying b) erect bucky	90	50	1.0	150
Thick spine lateral	125	100	1.5	150
New Born			0.005	
Occasion repeat exposure	90	150	1+1sec	300mAs

X-RAY TUBE

1. Rotating anode double focus tube with at least one focal spot 0.8mm or less for fine radiography with 2800 rpm with anode breaking device and auto protection of tube from over heat, electrical or electronic disturbances and rating & cooling compatible with exposure table requirements and bucky radiography, anatomical programming and automatic exposure control.
2. Tube head should be capable of rotating± 180 degree
3. Tube rating and cooling capacity should be mentioned as maximum continuous thermal dissipation (e.g.>300W)

CONSOLE

1. Soft touch control for easy cleaning and disinfection by spirit or other commonly available material.
2. Digital display of mAs, KVP, time etc.
3. 2 steps (standby ready and exposure) switch on consol as well as remote operations (by 5meter), preferably wire less.
4. With some self diagnosis such as tube overheating, improper voltage, exposure fault etc.

5. Should have anatomical programming.

6. Compatible with bucky radiography and automatic exposure control.

7. Option with price should be quoted for (a) reduction of dose by half

(b) dose area product measuring chamber,(c) automatic exposure control.

COLLIMETER:

1. Fully radiation proof

2. Adjustable timer for auto cut off (minimum 30 sec)

3. With field 0-0 to 17”X17” at one meter

4. With retractable measuring tube

5. Angulation indicator.

TUBE ARM AND MAIN FRAME:

1. Stable, spring balanced frame with 4.5 feet horizontal distance between column and tube, safe(accident proof) and effective, durable use by light weighted radiographer (e.g. lady) in O.T, Nursery, Labor Room, and Orthopedic ward etc.

2. Tube arm rotation of +/- 90 degree for exposing adjacent beds in wards, orthopedic procedures.

3. Tube head protection in lift or bumping against furniture or walls

4. Tube head rotation of +/-180 degree for cross table lateral and other oblique and difficult views.

5. With standard mechanical and safety features for carriage in life, uneven surface passages & doors such as resting and exposure position lock handle release breaks or single paddle breaking in convenient position, large rubber sheathed wheels, lead or equivalent radiation proof lined cassette case for largest size and space for lead apron and thyroid shield etc.

REQUIRED ACCESSORIES:

1. Two large sized (0.5 mm) lead equivalent aprons with two thyroid shields and one gonadal shield and other radiation protection devices.

2. Stationery bucky cassette 17”X17” frame for bucky thick part radiography at with stand.

3. Scale for assessment of magnification.

UPGRADABILITY AND COMPATIBILITY

With digital radiography and hospital information services.

MICELLANEOUS

Warranty

1. Spare parts

2. Should have ISO, CE and AERB & BIS certification

3. Local Service center

4. Proven track record in Govt. sector

5. Users list & performance certificate

6. Operation manual, exposure charts, books and suitable support literature. List to be provided at the time of installation.

Item No 4

90 Degree Rigid Laryngopharyngoscope

1) Should be autoclavable

2) 8mm in Diameter

3) Wide angle enlarged view

4) Fibreoptic light transmission should be incorporated

5) Should have no Spherical aberration

6) Should have 90 degree angled eye piece

7) Fibreoptic cable 3.5 mm, 180cm length.

Item No 5

FLEXIBLE RHINO LARYNGO PHARYNGOSCOPE

Features-

High resolution fibre optic image guide; 9800 Pixel

Single fiber diameter 10 micron

High flexibility through increased angulation angle of distal tip

High Image contrast with increased image diameter

Soakable for liquid disinfection

Technical Data

Outer Diameter of flexible probe	3,8mm
Length	300 mm
Vision Direction	0 Degrees direct
Field of view	85 Degrees
Angulation	2 way each app. 150 deg
Working distance	3 mm to infinity

Item No 6

TELE-LARYNGO-PHARYNGOSCOPE

Features –

Sharp image with significant depth of field

Two different degrees of magnification (Panoramic view and examination of details)

Integrated air channel (Leur-lock connection)

Focusable through one hand operation

Soakable for liquid disinfection

Integrated fibre optic illumination system

Technical Data

Outer dia. of probe	10mm
Working length	170 mm
Vision direction	90 deg lateral
Field of view	60 deg
Working distance	15 mm to infinity

Item No 7

Camera for Nasal Endoscope and laryngopharyngoscope compatible with monitor in examination unit

Single chip camera system with the following features:

1) Integrated par focal zoom lens

2) Horizontal image resolution of more than 450 lines

3) Manual and / or automatic exposure control

4) Automatic white balance with memory function

5) Character generator

6) Composite, S-VHS and RGB Compatibility should have video and S output.

7) Digital contrast enhancement.

8) Should be light in weight, portable easy to handle in examination

9) Sensitivity atleast 1.5 Lux, F=1,4

Item No 8

PEDIATRIC RESECTOSCOPE

1. HOPKINS II Straight forward Telescope Oº, _ 1.9/2.1mm, autoclavable, fiber optic light transmission incorporated, colour code : Green.

2. Cystoscope – urethroscope – sheath, 9.5 Fr, with instrument channel 4 Fr, with obturator 27031 EO and 2 LUER – lock adaptors colour code : blue – white

3. Cystoscope urethroscope – sheath, 11 Fr, with instrument channel 5 Fr, obturator and 2 LUER lock adaptors, colour code : red white

4. Grasping forceps, 3 Fr, double action jaws, flexible, length 28 cm

5. Operating – cystoscope – urethroscope, 8 Fr to 95 Fr, 6º, one – step, 8-12 Fr, length 13cm, autoclavable, with angled eye piece, fibre optic light transmission incorporated, 2 lateral irrigation ports and 1 working channel 5Fr., for instruments 4Fr., with instrument port, sealing and cleaning adaptor.
6. Coagulating electrode, hook-shaped, 3 Fr, single use only, package of 6
7. Coagulating electrode, 3 Fr., unipolar, length 53cm
8. Monopolar high frequency cord with 4mm plug for HF unit, models and erbe type T, older models; length 300cm
9. Urethrotome sheath with LUER – lock stop cock, 10Fr., with obturator 27047 BO and 2LUER lock adaptors
10. Telescope bridge with 1 lockable instrument channel
11. Cold knife, straight
12. Cold Knife, round
13. Working element, set consisting of : 27145E1 working element 27147 EG 1 cutting loop 27147 EL 1 coagulating electrode 277 2 high frequency cord 280 1 protection tube motion by means of a spring. The thumb support is movable. In rest position the electrode is inside the sheath
14. Resectoscope sheath with LUER lock stop cock, including connecting tube for inflow, 11 Fr, and obturator 27047 EO, colour code : green.
15. Cutting loop, angled colour code : green (pack of 6 nos)
16. Coagulating electrode, angled, blunt, colour code : green (pack of 6 nos)
17. Fiber optic light cable, diameter 3.5 mm, length 230cm

Item No 9

Operating Laparoscope Set for Gynaec

Laparoscopy TROLLEY
Automatic Light source 220 V,300 W. Xenon Bulb
Bulb Working life more than 400 Hrs.
Bulb life counter on light source
Automatic /Manual Light Adjustment
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
6.5mm x approx. 7.5 feet long Snap Fit cable
Monitor 22" Monitor LCD
CO2 Insufflator

Minimum 40 Liter of high flow

Microprocessor controlled unit

Soft Approach Pressure control for safe recovery of abdominal pressure

Gas heating

LCD based central display monitor with multilingual text & graphics

Audio Visual Alarms

Camera System

Camera console 220 v three Chip with universal coupler & Autoclavable camera head

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

Specialty settings not less than 6

Integrated Flexible Scope filter

Signal to Noise ratio-70 db (approx)

Progressive scan technology both on camera head & console

Brightness Control on console & camera head

Aperture Control on console

Inbuilt 16 step digital Image Enhancer on console

Digital zoom & white balance on camera head

Integrated Gain/shutter/Enhancement with brightness control

Two peripheral control on camera head

All controls operatable by camera head should also be operated by console

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 sources

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

30 degree, 10mm x 1

Instrument set:

Laparoscopic hand instruments (reusable) with 310mm working length,

rotable with interchangeable handle with monoploar diathermy attachment (Except trocars and veress needle)

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 1

Metzenbaum scissors (5cm) with unipolar diathermy 2

Laproscopic cautery lead 2

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

Laproscopic suction cannuala, 10 mm 1

Laparoscopic 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

Cidex Tray (Indian)-3

Formalin Chamber (Indian)-3

Item No 10

Hysteroscopy set

1. Hysteroscopy set – telescope 30º Diameter 4 mm length 30 cm 1
2. Examination sheath Diameter 5.4 mm 1
3. Continuous flow examination sheath 1
4. Operating Sheath 5.4 mm 1
5. Continuous flow operating sheath 6mm 1
6. Biopsy forceps, trough cutting single action jaws, 5 FR 2
7. Scissors, single action jaws, 5 FR 2
8. Biopsy and Grasping forceps 5 FR 2
9. Endomat set operating voltage – 100-240 VAC, 50/60 HZ consisting of endomat, with integrated SEB module, 400A power cord, 3 tubing set irrigation HYS, for single use, 3 tubing set irrigation LAP, for single use,

	pack suction for long term use	1
10	Essential accessories	
	1. One pedal foot switch one stage	1
	2. Suction bottle 51	1
	3. Bottle cap	1
	4. Bottle stand	1
	5. Bottle stand holder	1

Item No 11

A scan

- **Scan modes:**
- Direct contact or immersion
- **Cataract**
- Dense cataract
- **Aphakic**
- Pseudophakic (5 settings)
- Manual
- Review screen for A- scan
- Measurement review capability
- Measurements:
- ACD
- Lens
- Vitreous
- Axial
- Average with standard deviation
- Individual zone velocities
- Clinical accuracy
- (+/-0.10mm)
- Accuracy
- Electrical accuracy
- (+/- 0.0484mm)
- Formulas

- Refractive: Binkhorst, regression-II, theoretic/T, holladay, hoffer-Q, haigis
- Post refractive: Latkany Myopic regression, Aramberri double-K

Item No 12

Ophthalmic Ultrasound (A & B Combined)

The following requirements must be met

• High resolution dedicated A and B, ophthalmic Scanning unit Bscan will cross vector.

• The system should consist of fourth generation microcomputer and high speed digital electronics,with highest resolution monitor.

Technical Features:

A-scan

• Three A scan Modes

• Auto biometric, Manual Biometric, Diagnostic

• Complete IOL program capabilities include SRK1 SRK11 SRK. T Hollady or Binkhorest formulas.

• Save in memory capacity at least 45 cases for A-scan images and corresponding IOL data.

• 10MHZ solid probe

• The unit should incorporate, audio feed back for probe alignment.

B-scan

• 256 Gray Levels

• user definable, DGC curve

• Pre & post processing capabilities.

• Volume, distance and area/ perimeter measurement

• Selectable A-vector for simultaneous A/B display.

• Annotation/arrow placement

• Archiving of at least 150 patients in a single data file with an unlimited number of data files possible.

• Complete IOL calculation capability with IOL data storage.

• B-scan sector angle at least 55°

• Standard Accessories

• Should include :

• Console with 7’’ display

• Alphanumeric keyboard

• Trackball

• Foot pedal

• 7&10 MHZ, A-B scan probe

• A scan calibration cylinder

• Probe holders etc.

• Vendors may quote other optional accessories

• 100 & 12.5 MHZ, A-B scan probe

Item No 13

Non contact tonometer

- **General features**
- Measurement: Non invasive automatically activated as the cornea is in focus
- Working distance: 13-15mm
- Air pulse: soft pulse with no additional administering of anaesthetic/indicator
- Accuracy:+/-1mm Hg
- Display: Graphic liquid crystal display module with yellow backlight seven segment common
- Anode LED display
- Technical specifications:
- Electrical requirements: 90 264V AC, 50 Hz
- Power consumption: 150W
- Hand set dimentions: 40X 270mm
- Base unit dimensions: 320X310X180mm
- Weight: 8.5 Kg. (Approx)
- Cooling: Air cooled
- **Accessories:**
- Standard: Table top, joystick assembly with chin rest arrangement

Item No 14

Phaco Emulsification Machine

1. The phaco system should have both peristaltic and Venturi pump.

2. It should be possible during surgery to switch over from peristaltic to venture mode or vice versa instantaneously.

3. Titanium and ultra light 6 Crystal Phaco handpiece should be quoted having frequency range between 25KHz and 35 KHz.- Four phaco handpieces to be quoted

4. Power to be varied between 1 to 100% in steps of 1%

5. Unit must have programmable burst mode with burst duration to be varied between 25 mSecond to 450 m second

6. Unit should have programmable pulse mode with maximum pulse frequency of 40 Hz. Also pulse duration to be adjusted between 0.50 to 1500 mSecond.

7. Unit must have Cool Micropulse Phaco and Co-Axial Microincision Phaco Facility

8. Unit should have 3 phaco memories (Phaco1, Phaco 2 and phaco3).

9. I/A System (Peristaltic)should have max vacuum of 600mm Hg and Aspiration flow rate of 50 ml/min

10. I/A System (Venturi) should have max vacuum of 600 mmHg

11. 9 nos. Autoclavable cassette to be supplied.

12. Reflux – Either through Pump or Bottle

13. Autoclavable Straight Phaco Tips – 15 Degree, 30 Degree – 4 nos. each

14. Autoclavable Bent Phaco tip – 30 Degree – 4nos.

15. Irrigation Sleeves for above tips – 10 nos.

16. Autoclavable Cool Phaco Tip 30 degree with incision size of 1.6 and 2.2 mm - 2 nos. each AND corresponding sleeves- 5 nos each

17. I/A Bimanual – 2no.

18. I/A coaxial with straight and bent tip - 1 set

19. R.F.Capsulotomy Tip-1 no.

20. Test Chamber – 5 no and Irrigation Sleeve – 10 nos.

21. Serilisation Tray – 4nos.

22. Diathermy handpiece along with Bipolar forceps to be quoted

23. Unit must have Dual Linear Pedal with Complete programmability. Should provide function switching, pump switching and bottle height control.

24. Unit must have memory for minimum 30 surgeon program

25. Integrated motorized I/V pole to be supplied.

26. Vitrectomy Cutter (20G): 12 Electric cutter with a motor to be quoted .Cuts rate to be more than 1000Cuts/Minute

27. Pneumatic Cutter (20G) – 20 Pneumatic cutter to be quoted . Cut rate to be more than 2500 cuts/minute

28. Posterior Vitrectomy – Dual linaer Vitrectomy

29. Metal halide light with dual output

30. Single cut mode

31. Pars Plana Tip

32. Simultaneous connection of 3 Vitrectomy instruments

33. Endo Diathermy tip – 20G

34. Air Delivery Line, Silicon application set, Infusion terminus and Endo illuminaors for 20G posterior vitrectomy -20 nos. each to be quoted

35. 23 G Posterior Vitrectomy accessories – Endo Illuminators, Pars Plana Microincision set – 20 nos to be quoted

Item No 15

Visual field analyser

- Test specifications
- Maximum temporal range (degrees) 89
- Stimulas duration 200ms
- Visual field testing distance 30cm
- Background illumination 31.5 ASB
- Threshold test library
- 24-2,30-2,10-2 macula
- 60-4, nasal step
- Threshold test strategies
- SITA standard, SITA fast, full threshold, fast pac, SITA -SWAP
- Screening test library
- C40,C64,C76,C80 C-Armaly
- Peripheral test patterns
- Screening test modes
- Age corrected
- Threshold related, single intensity
- Specialty test library
- Social security disability, monocular,binocular
- Superior 36,64
- Kinetic testing
- Custom testing
- Fixation control
- Heijl/Krakau blind spot monitor
- Video eye monitor
- Gaze tracking

- Head tracking
- Vertex monitoring
- Remote video eye monitor capability
- Operator interface
- Touch screen CRT with keyboard
- Stimulus
- White on white
- Red or blue on white
- Blue on yellow (SWAP)
- General testing features
- Stimulus sizes goldmann I-V
- Foveal threshold testing
- Automatic pupil measurement
- User defined test storage
- Software features
- Visual field Index (VFI)
- Easy connect RCT
- HFA-NET Pro
- Glaucoma Hemified test (GHT)
- DICOM Gateway
- Guided progression analysis (GPA)
- STATPAC 2- singl;e field analysis
- Serial field overview
- Networking
- Printer
- Table mounted or external B/W laser printer
- Data storage, retrieval and analysis
- Hard drive 40 GB
- 3.5" floppy drive
- Magneto- optical disk drive
- Electrical requirements 100-120V, 50/60 Hz

Item No 16

Digital aquity system

- Flat panel visual acuity system features
- A large 17" LCD display and wireless remote
- Latest technology in acuity systems
- Wide selection of optotypes and tests
- Contrast sensitivity
- ETDRS charts
- Programmable or random sequencing
- Easy to use remote control
- Featuring little director ™ pediatric fixation
- Costomizable test sequence
- Red/green duochrome available for all charts
- White optotypes on black background available for all charts
- Worth 4 dot test
- Single fixation dot
- Full randomization of all charts
- A variety of selections for isolation of lines and letters
- Corner acuity indicator
- Astigmatic dials and fixation disparity
- Cycle timer for hands free randomization
- Fixation animation
- Range from 20/10-20/400
- Reversible for mirrored rooms
- Charts
- Snellen
- HOTV
- Numbers
- Allen pictures
- Shown with little director ™ animated pediatric fixation
- Tumbling E's
- ETDRS charts
- Contrast

- General specifications
- Operating system
- Windows ® XP
- Processor
- Intel pentinum 4
- Dimensions/ Weight
- 16.1"Wx13.9"Hx3.78"D (w/o stand)
- 16.1"Wx17"Hx8.5"D (w/stand)
- 25.5 lb (w/stand)
- 21.6lb (w/o stand)
- Video
- Integrated intel GMA graphics
- Display
- 17" SXGA LCD panel,1280X1024
- Storage
- 80GB 2.5" hard drive, DVD/CD-RW combo drive
- Network interface
- Integrated intel 10/100/1000 Gbit ethernet
- Wireless LAN
- 802.11b,g wireless LAN
- Audio
- 2-CHANNEL High definition audio, integrated 2X speakers
- Power
- Input: AC/100-240V (50/60Hz) 4.0A
- Certification
- FCC,CE,UL
- Meets minimum specifications of eyemaginations 3D- eye office ™ Version 4.2

Item No 17

LED Digital binocular indirect opthalmoscope

- The unique wide angle diffuser expands the illumination to provide an increased field with reduced alignment requirements
- Mirror adjustments for angle and height are now independent from the converging optics.

• This minimizes reflections and optimizes stereopsis through all pupil sizes, ensuring shadow free images.

• Unique features:

• True digital imaging

• Software allows you to use your laptop or any interface to optimize the examination, provide still or dynamic images, which aid in the documentation and diagnosis.

• Variable mirror height control (independent from converging optics) ability to raise and lower the light source without converging the viewing optics.

• The optics form three inverted images in the plane of the patients pupils: one for the light source and two for the observers pupils. All of these images are movable in the plane of the patient's pupil for optimum viewing and stereopsis.

• HiMag gives you an additional 1.6X magnification than with a condensing lens and provides excellent stereoscopic images.

• You can view the disc, macula and vessels in greater detail without moving the patient to the slit lamp.

• Scratch resistant coated optics guarantee high quality images at all times and HiMag can simply be flipped out of your field of view when not required.

Item No 18

SLIT LAMP

- Haag - Streit type Slit lamp
- Galilean converging binocular
- Magnification variable 5-step, range 6x - 40x
- Eyepieces 12.5x
- Field of view 44 to 6
- Interpupillary distance 48.5 to 80 mm
- Slit length 0.2 to 12 mm
- Slit width 0 - 12 mm
- Filters cobalt blue, red-free, grey & heat absorbing
- Slit rotation 0o - 180o
- Vertical Tilting Slit 0o to 20o
- Working distance 80 mm
- Fixation point luminous flexible red diode

- Chin rest height adjustable 70 mm
- Goldmann type Applanation tonometer
- Digital camera attachment with hardware & software for image processing and storage

Item No 19

Slit Lamp Biomicroscope

- Magnifications: 8x, 12x, 20x
- Field of view: 45 mm – 10mm (or better)
- Eye piece magnification: 10x high-eye point eyepieces, + 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: 90º, continuous
- Decentration of slit image: variable, click stop at 0º
- Swivel range of slit prism: 180º, scale for angular difference, click stop at 0º
- Angle of incidence: 0º, horizontal
- Filters: blue, green (red-free), and diffusing screen, swing-in-type; UV protection filter, Heatabsorbing filter.
- Free working distance: 73 mm
- 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**
- Applination Tonometer
- Motorised Table

Item No 20

Autoclave

Vertical Jacketed AUTOCLAVE

1 Description of Function

1.1 Autoclaves are required for sterilizing an object in high temperature and high-pressure steam.

2 Operational Requirements

2.1 Microprocessor based electrically heated vertical steam sterilizer

3 Technical Specifications

3.1 Pressure range 5- 40psi, adjustable

3.2 Pressure control switch with Digital display of Pressure and Temperature

3.3 Outer and inner chamber made of thick stainless steel

3.4 Inner chamber made of at least 18 SWG SS sheet

3.5 Inner chamber size 550-650X350-450X350-450mm

3.6 Stainless steel Steam jacket insulated with high grade glass wool

3.7 Water level indicator with automatic low water level cut off device

3.8 Joint less gasket

3.9 Water inlet and drain valves

3.10 With standard safety features

3.11 Additional accessories – (to be quoted separately)

Gaskets -2 Nos.

Heating Coil - 2 Nos.

Stainless Steel Perforated Drums – 4 Nos.

Stainless Steel Trays – 2 Nos.

4 System Configuration Accessories, spares and consumables

4.1 As specified

5 Environmental factors

5.1 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%

5.3 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

6 Power Supply

6.1 Power input to be 220-240VAC, 50Hz/440V 3 Phase as appropriate fitted with Indian plug

6.2 Resettable over current breaker shall be fitted for protection

7 Standards and Safety

7.1 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450

7.2 Should be FDA or CE or ISI approved product

7.3 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

8 Documentation

8.1 User manual in English

8.2 Service manual in English

8.3 Certificate of calibration and inspection from factory.

8.4 List of important spare parts and accessories with their part number and costing.

8.5 List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.

8.6 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue

Item No 21

BILIRUBINOMETER

Microprocessor Controlled

MAIN CHARACTERISTICS: -

Auto zero Function

Handles hemolysis and turbidity easily

Easy set of the sample tube

Alarm lamp informs user of abnormalities

Flexible power source

Easy lamp replacement

TECHNICAL SPECIFICATION: -

Filters :461nm & 551nm

Measurement Range: 0-30 mg/dl (Total Bilirubin)

Correcting hemolysis: 0-250 mg/dl HbCV

Measuring accuracy :+-5%

Sample Volume :20-30ul

Alarm Display : 3-1/2, 7-segment red LED

Sample container : Hematicrit capillary tube

Light Source : 6V, 1.5A tungsten lamp

Photocell : Silicon photocell

Power supply 90-240 VAC 50/60Hz, 35w

Dimensions :Approx.280mm (w) x230mm (D) x120mm(H)

Suitable centrifuge to be quoted

Item No 22

Microscope binocular with illumination (and photography - optional)

Binocular for bright field,dark field,phase contrast and fluorescence application

Microscopic basic stand with 30W

Transmitted light illumination. Coaxial double knob focusing

Lift approx. 20mm, 5-fold revolving nosepiece, fixed.

Objective condenser height displacement with rack and pinion and right/left.

Control, Condensor holder with dovetail and centering device for interchangeable condensers.

Transmitted light illumination with collector and 12V 30W halogen lamp, incorporated field diaphragm,removable for mirror adaptation. Supply unit for the 12Vx30Wlamp,incorporated and regulating.

Mechanical stage for right hand operation, without object holder, fixed mounted to the stage holder.

Scanning area 76 x 52 mm;

Spare Halogen lamp 12V /30 W

Lamp housing with 30 W lamp complete.

Lamp source : 220 V/ 50 Hz.

Illuminator for incident fluorescence, for 2 filter systems;

Blue filter dark stop commutable; light trap to avoid external light.

Filter system for blue excitation.

Tube trinocular with fixed photo tube, tube lens 00/1x, 30 degree inclination, automatic constant sharpness at eye width from 55 to 75 mm; beam splitter for camera.

Object holder for 2 specimens for mechanical stage.

Universal Condenser.

Dust cover

Objective	5 x 0.12
Objective	10 x 0.25
Objective	40 x 0.65
Objective	100 x 1.25 Oil immersion

10 ml Immersion oil

Pair of eyepieces 10 x /25

Power supply : 240 V / 50 Hz

- All lenses and optics should be imported

Following optional item to be quoted separately:

Compatible and appropriate Hi-quality Digital Camera (12 Megapixel or more) along with couplers, all connecting cables, computer connectivity.

Item No 23

BLOOD GAS ANALYZER

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

pH, PCO2, PO2, 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 24

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 25

Quality Mixer

Should be A Automated Tube Stripper & Mixer to simplify & Standardize Stripping & Mixing of Blood in the tubing with the Blood in the Bag for preparation of Good Quality Components & Elimination of Micro Clots in the Blood Bag Tube

THE Stripping & Mixing cycles should be adjustable from 3-10 for flexibility of usage in the Bleeding Room or for Quality Control

Dimensions-290L X 253 W X 150H mm

Max Weight –5 KG approx

Power Supply- 230VAC

Should be CE marked

Item No 26

Mobile Blood Transportation Box

- Mobile Refrigerated Transportation Box – should be able to transport packed Red cells, Whole Blood, Platelets, Plasma at the required specific temperatures
- Should be robust, light weight, portable Mobile Refrigerated Transport Box made up of rationally moulded polyethylene
- Temperature Range adjustable from -20 deg C to +22 deg C
- Capacity to Hold 25-30 blood bags of 450 ml
- Should work on AC & DC power with the provision of attachment to vehicle battery.
- Should have digital temperature display of the internal temperature with functional alarm systems to indicate variations in the set temperature.
- Should be CFC free refrigerant.

Item No 27

Ultrasound machine 4 D with colour Doppler with biopsy attachment

It shold be robust state of art, fully digital system capable of performing imaging applications in abdominal, obs/gynae, musculo skeletal, cardiovascular, small part etc. It should be easily transportable and capable of performing bed side examination, examination in operation theatre, endoscpic and intervention suits.

1	System should have broad band beam former cpable of processing singnals from 2-18 MHZ.
2	System should have advanced image processing software algorithm ot analyse target and artifacts so as to sharpen target anatomy and reduce / eliminate artifact and improve resolution for example separate two objects 0.2 mm apart laterally (lateral resolution) at 11 MHZ approx

3	System should in corporate facility for high resoulution 2D, M-mode, PW, CW, color flow imaging, color power angio imaging, directional color power angio imaging modes
4	System shou.ld have real time triplex mode facility in 2D, color and Doppler modes with at least 20 frames/sec. or equivalent.
5	System should hjave color compare mode, color/color power mode and normal gray scale mode side by side or equivalent.
6	System should have quad & thumbnail displays etc.
7	System should have dynamic range of 170 db or higher. Higher will be preffered.
8	MI & TI should be displayed on screen.
9	System should have high PRF (mention rate-highest will be preferred).
10	System should have scan depth of 28 cm or more.
11	System should have 256 shades of gray display and a frame rate of 100/Sec or higher.
12	System should have facility for ral time or frozen, pan or point zoom
13	System should have cineloop review possible on all modes for individual and mixed loops for more than 3000 frames and more than 30 seconds of spectral dppler and m-mode strip.
14	System should have 120 or more transmit channels and 1,000,000 or more receiving channels with on site upgradability to higher number.
15	System should have automatic as well as manually adjustable control. i. Focus Transmit and dynamic receive at multiple depth individually and simultaneously. ii. Fame rat3e for B mode, color, compounded resolution etc. iii. Dynamic range compression. iv. Pre-processing such as edge enhancing, beam line density. v. Post-Processing such as image persistence, speckle reduction. vi. Compound resolution image-no of viewing angles and lines per frame. vii. Audio adjustments viii. Adjustable “packet” size in phase shift analyses for example 10 or more transmit and receive sequences.
16	System should have panoramic extended field of view
17	System should Independent steering of B mode and color on linear probe.
18	System should have 4d capabilities. a. Data Acquisition: free hand, mechanical & electronic and gated techniques. b. Transducer: matrix acquisition for faster scan rate with better damping of transducer element for sharper focus. c. Reconstruction: Live images @ 12 FPS or faster, higher will be preferred.
19	It should have advanced issue harmonic imaging on all probes such as fundamental, phase inversion, Coded Octave and Intravenous US contrast imaging.
20	It should have cardiac package for adult and fetal echo cardiography.
21	It should have extensive software and automatic and user programmable calculation package for gray scale, color Doppler, 3D and 4D applications.
22	It should have a 17” high resolution medical grade TFT/LCD screen monitor with articulated arm.
23	It should be provided with following transducers. • Convex Abdominal 3-6 MHZ Approximately.

	• Endocavity (TVS+TRUS) 5-9 MHZ Approx. with 120ºR. • Linear high frequency 6-18 MHZ approx. • Convex 4D probe. • Endocavity (TVS+TRUS) with 4D capabilities.
24	It should be capable of supporting at least three or more transducers ports with switching from consol.
25	System should have built in Image Management Software, for off line application when patient has gone after examination, such as Image Manipulation, Multi Planner reformatting, surface & volume rendering etc. Its should have hard disk memory of 80GN or more wit built in CD/DVD read write.
26	For parallel processing of Imaging Data, system should be provided with a separate latest configuration with 1 Tera Byte Hard Disk based work station with USB and serial port with 19" TFT/LCD medical grade monitor with very high quality Image Management Software with same capabilities as main machine such as retriving data along Demography, Zoom, Pan, Volume Rendering, Multiplanar Reformatting, MIP, retriving information from CD/DVD with reporting and Teleradiology Software exporting JPG & AVI file format to link other stations in the hospital.
27	System should be provided with black & white thermal printer, color laser jet printer with capacity of printing 3000 sheets per cartridge.
28	On line UPS for 2KVA or more as appropriate for supporting main equivalent & all linked accessories for 30 minutes should be provided with systems.
29	Standard accessories such as various cuffs, elbow rest, standardization phantoms, biopsy guides, needles etc. should also be provided.
30	System should have a. Elastography and sound measurement free of cost as and when it becomes available with the company. b. Comparison/super imposition/fusion with CT/MRI images obtained by teleradiology. c. Contrast Harmonic Imaging with Quantification.
31	Company representative should bring the operation manual of the machine along with for consulting demonstration.
32	Please respond to each specification in the same format and order and support it with product data sheet.

Item No 28

Cardiotocograph

Cardiotocograph antenatal (NST) and intra partum fetal monitor.

Fetal monitor for three functions

a.Fetal Heart rate recording

b.Toco-recording (For intrauterine pressure recording)

c.Maternally sensed fetal movement recording.

- Twin monitoring facility required.

- Colour coded transducers, plugs and sockets.
- Very compact and light weight.
- Detachable printer
- 1.5 MHZ multi crystal directional pulse Doppler. FHR detection with low ultrasound energy exposure to fetus.
- Optimize, fully screened and water proof FHR transducer the transducer and belt clip are designed for ease of use
- Built in transducer storage.
- Manual or automatic Toco-Zero light weight flat faced with guarding type toco dynamo meter. It has the same belt clip and belt in, as the transducer
- Display 260 x 64 mm graphic LID in Alphanumeric mode.
- 6 hour memory with fast print facility.
- Actogram – Automatic movement signal can be printed on the chart record as a graph or as any event marks
- True dual channel twins print out
- Purpose designed trolley/cart
- Display wave form and digitals
- Automatic fetal movement detection
- Built in Rechargeable battery for 2 hours continuous work
- Built in network capacity.

Item No 29

Cardiotocograph machine with accessories

Cardiotocograph machine with twin monitoring capability should meet the following specification and capabilities:

- FHR twin monitoring using external ultrasound
- Direct ECG and maternal ECG measurements.
- Uterine activity using an external loco transducer or IUP catheter.
- Fetal movement profile parameter to record accurately the fetal movements using the ultrasound channel without additional procedures or transducers and statistics for advance information on fetal well-being.
- Low ultrasound energy to the fetus
- Audible alert indication of fetal bradycardia and tachycardia

- Should have a feature to provide more accurate and continuous fetal heart rate (FHR) thereby reducing the need for repositioning the ultrasound transducer.
- Should have the facility of cross channel verification when tow channels are picking up the same signal.
- Should have signal quality indicators guiding to obtain the strongest and most continuous.
- Ultrasound HR signal
- Built-in multi channel high resolution thermal array recorder with visual and audible paper end detection and should annotate time of day, date and paper.

Should be supplied with the following accessories:

- Mobile cart with two drawers and integrated mounting rail
- 2 x ultrasound transducer
- 1 x external toco transducer
- 1 x ECG module with deg & MECG adapter cable
- 20 x 250 g bottle of gel
- 100 numbers of disposable signal spiral fetal scalp electrodes, quick connect type
- 80 packs of recording paper (to be supplied as per the usage, in a manner that they should not get faded without being used.)

Item No 30

Bod Incubator

- Stainless steel make, full length inner plexi-glass door.
- Castor wheel mounted tie easy movability.
- CFC free High efficiency refrigerator system mounted at bottom, proper air circulation for uniformity.
- Temperature Range: +5degC to 50deg.C, 0.1degC resolution
- Temperature Control: Digital Control,
- Micorprocessor based controller for mains, heating, and cooling with separated indicator lights.
- Accuracy of Temperature: ± 0.5degC
- Power:230 volts, 50Hz AC, Mains single phase.
- Size: 700 x 900 x 650 mm approx. 15cu.ft.
- 3 shelfs, made of stainless steel
- Inner illumination with sleek fluorescent tubes.

- Voltage Stabilizer: 3 KVA
- Remarks

The apparatus should confirm to Indian Standard Institution Guidelines with latest amendments in Indian Standard Specification for Incubators or equivalent National or International Standards covering Markings, tests and Safety requirements Voltage regulators of appropriate rating to be included for each item to cope with 160-260 V.

Item No 31

Cryosurgical 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 CO2 or NO2 gas.
5. Console to house cylinder with temperature indicated
6. Probes Tips: Exo Cervical, Endo Exo Endo cervical and long Endo Exo Cervical, HPV, Flat and round in different sizes and shapes
7. System high quality and reliability.

Item 32

REFRIGERATOR FOR KITS 2000 LTR

Laboratory refrigerator,lockable with temperature monitoring

- Capacity-2000 ltr.
- Explosion proof interior
- Anti spark protection
- Audio-visual alarm
- Temperature setting range: 0 to 10 º C
- Key controlled on/off
- Key controlled door opening
- Adjustable floor stand

Low noise,automatic defrosting,Freon free

Item No 33

Refregirated Centrifuge Table Top

- Max Capacity
- Swing-out 4 x 135 mL
- Fixed Angle 6 x 50 mL
- Max Density 1200 kg/ m3

- Max Load 0.648 kg
- Max Speed
- Swing-out 4000 rpm
- Fixed Angle 6500 rpm
- Max RCF
- Swing-out 2647 x g
- Fixed Angle 3684 x g
- Control System Microprocessor
- Speed Set/ Display
- Range 300 - 6500 rpm
- Step 10 rpm
- Accuracy ±20 rpm (display)
- Timer Set/ Display 1 min up to 99 min + Hd
- Acceleration Rates High or Low
- Braking Rates High or Low
- Drive System Direct
- Motor Type Brushless induction
- Power (average/ max) 150 W
- Noise 57 dBA
- Standards IEC 1010-1, IEC 1010-2-020, CE marked, UL listed, cUL listed
- Product Dimensions Aprrox.
- Height (lid closed) [cm/ in] 28/ 11
- Width [cm/ in] 37/ 14.6
- Depth [cm/ in] 46/ 18.1
- Approx.Weight unpacked [kg/ lb] 28/ 61.7

Item No 34

DENTAL CHAIR

It should be Fully Electrical Dental Chair with up and down movement for chair and backrest with programmable position and return to zero position. It should be suitable to be used by left-handed and right-handed professionals. This changing should be possible even after installations.

- It should have delivery unit arm with 3 way syringe for Dentist, 2 high speed Air-Rotor terminals SS instrument tray with Pneumatic lock for delivery unit arm, LED X-Ray Viewer.

- It should have responsive feather-touch controls for seat and backrest movements, return to initial position, and one programmable work position which are set by the dentist & water unit with one Pneumatic saliva ejector and high vacuum motorized suction.
- It should be provided with pneumatic Doctor's stool with adjustable backrest tilt and Adjustable ring for foot rest.
- Double articulating head rest which can even be used to the handicapped patient on his wheel chair.
- It should have innovative and modern round-edged design. It curved of the backrest, which improves for Patient with high comfort but produce also approach of the doctor.
- It should have fixed left arm rest and right arm rest (90° Rotatable), ergonomically designed steel base, protected by an anti-slip rubber material. Steel-built structure with a resistant, smooth, high-shine, round edged coating.
- Up down and back rest movement motor should be from ISI Mark
- It should have LED based white and cool Dental Light with intensity of minimum 20,000 Lux. It should have switch ON and OFF from foot switch also. It should have switch OFF as soon as zero position when switch is pressed for going to zero position.
- Water control for Air Rotor should be on the coupling for easy adjustment of water.
- The base of the chair should be mounted on rubber sleeve for better stability and rust protection.
- The company manufacturing this should be ISO and products should CE Marked.

Item No 35

Dental Sterilizer

1. Mains voltage shall be 220V - 50hz 1,300 watt. The power cord shall have a minimum length of 1,2 meters. The steriliser shall not require an electrical current higher than 13 amps.
2. The water reservoir shall have a capacity of 4 litres that is sufficient for approximately 30 cycles.The reservoir shall have a float that reads the level of the water that indicates on the display when the reservoir needs to be refilled. The water reservoir shall have a conductivity probe to ensure that the quality of the water used is acceptable
3. The sterilisation chamber shall have a capacity of at least 5 litres and be a removable cassette, constructed of stainless steel.

The cassettes internal dimensions shall be 38 cm x 18 cm x 8 cm.

The cassette shall act as the sterilisation chamber and have a stainless steel grid

4. The sterilizer shall function with a micro - processor which controls a defined volume of distilled water , that is pumped into a boiler, converted into steam, and then injected into the sterilising chamber which will actively force 99% of the air from the chamber.

The micro processor shall accurately control and monitor the sterilising temperature and Pressure The distilled water shall not be recycle but used only once every cycle and automatically ejected through a cooling coil into a waste bottle.

6. The cassette shall be thermally insulated to prevent heat loss for fast heating and cooling to minimise the overall processing time.

7. The steriliser shall have a keypad, which controls the pre-set programs and the start control with a single touch

7:1 Unwrapped Cycle.

To sterilise unwrapped instruments the sterilising cycle shall be constant at 136 degrees C for 3.5 minutes.

The total cycle time including warm up, pressurization and de-pressurisation shall not be more than be 11 minutes.

The temperature shall never exceed 137 degrees.

7:2 Wrapped Cycle.

To sterilise wrapped instruments the sterilising cycle shall be constant at 136 degrees C for 6 minutes.

The total cycle time including warm up, pressurization and de-pressurisation shall not be more than 15 minutes.

The temperature shall never exceed 137 degrees.

7:3 Cycle for delicate items.

To sterilise certain rubber, plastic and delicate items the sterilising cycle shall be constant at 121 degrees C for 15 minutes.

The total cycle time including warm up pressurization and de-pressurisation shall not be more than 24 minutes.

The temperature shall never exceed 124 degrees.

8. L. C. Display for monitoring the systems throughout the processing cycle including the temperature, pressure and time elapsed.

9. The unit shall also have a 60 minute air drying program that switches on automatically after the completion of any cycle.

There shall be a manual keypad override abort control, that allows safe interruption of any sterilising cycle, at any stage of the cycle, that can be operated by a single touch.

10. The unit shall have the facility for a internal printer, external printer or data logger that captures the date, time, temperature and cycle number

13. The unit shall have a level indicator to ensure the correct levelling of the unit.

14. The micro- processor shall regulate functions to eliminate over heating and temperature spikes to ensure optimal sterilising conditions and ensure the correct operating sequence.

15. The steriliser shall be validated with both a biological monitor and the Bowie Dick test

16. The steriliser shall have a .042 micron biological filter, for filtering the air entering the chamber during the drying cycle

17. The external dimensions of the unit shall not exceed 55 cm x 41.5 cm x 19 cm and shall have an external design which will accommodate easy handling and transportation

Item No 36

Intra oral, Digital Radiography/imaging

Unit for digital intra oral radiography.

Wall mounted or unit mounted flexible suspension.

System, easy adjustment and positioning.

Comprising

Tube head

Control unit

• Suspension system

• X-ray sensor, CCD

Functions / Specifications:

Tube head:

• 70 kV, multi-pulse 10 mA.

• Focus spot: 0.8 x 0.8 mm

• Focus-skin distance: 200 mm

• Radiated field at end of cone: Dia = 60 mm

• Total filter: min. 2.1 mm AL.

Control Unit:

• Exposure release control, L (cable) min: 3 m

• Exposure time settings, range, min: 0.05-3.2 sec.

Suspension Unit:

• Manoeuvarability

• Vertical min. 270 degrees

• Horizontal 360 degrees

To be supplied with: 1 pack of sensor covers, 100 pcs.

Item No 37

ECG Machine 12 channel

• Simultaneous acquisition of up to 12 leads.

• Real time continuous recording of 3, 6 and 12 channel.

• Recording speeds of 5, 10. 25 or 50 mm/sec

• Extensive ECG quality control by AC Noise Filtering and Baseline.

• A4 size reports for convenient reading and filing.

• Colour coded keys for case of operation.

• Convenient battery operation for greater mobility.

• Versatile report formats and speed options to provide auto reports or rhythm reports.

• User configurable filters.

• Preview signal quality prior to printing. Saving time and paper.

• Keyboard entry for patient ID information.

• Capability to generate any number of ECG copies possible for filing and distribution.

• Adult and paediatric analysis programs std.

• Automatic interpretations of ECG data.

• Availability of adult, paediatric and neonatal accessories.

• Accessories e.g., stand, cables, electrodes etc. Should be quoted separately.

• ECG Paper roll for 1000 patients

• Service and operation manual complete.

Item No 38

ECG Machine 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 39

FULLY AUTOMATED ELISA READER WITH WASHER

1. Description of Function

1.1 ELISA Reader is required to Read the Colour Density known as OD(Optical Density) in ELISA (Enzyme Linked Immuno-Sorbent Assay.)Plates.

2 Operational Requirements

2.1 Only ELISA Reader is required.

3 Technical Specifications

3.1 OPTICAL SYSTEM

Digital light control

8 measurement channels including 1 reference.

Single and dual wavelength measurement with facility for kinetic measurement

8 s maximum measurement time for single and dual wavelength and 5 s (+/_1Sec.) for kinetic

Measurement Range 400-700nm

Indication Range 0-2.999 abs

Accuracy Plus/Minus 2% or Plus/Minus 0.005 abs

Resolution 0.001 abs

Inbuilt Filters: Narrow band interference

Should have the following filters – 405, 450, 492(+/_2nm), 540, 620 (+/-10nm) and 690nm

Should measure end point, curves and kinetic.

3.2 SOFTWARE:

Storage of immediately preceding measurement At least 15 user programmable tests permanently stored

Time programmable between each measurement. Agitation programmable before each reading

Bidirectional printer interface.

Data memory through computer

Built in Windows based software programming software.

3.3 MEASUREMENT MODES

Plate shaking mode for sample mixing selectable speed and time

Flexible blank mode setting

Matrix Modes: Matrix -/x/t, Matrix-/0-0 (Range),Matrix-/f/(Floating cut off)

Difference Mode: Absorbance of each well in even numbered subtracted from those of odd numbered columns

Curve fit Modes: LIN/LIN.LIN/LOG.LOG/LOG or auto curve transformation with ability to add the standard curve; 8 to 12 way string orientation or kinetic modes

Table of optical densities, Delta DD, Graphic, Reaction rate/V-Max

3.4 Adjustable for different micro plate geometrics

3.5 Halogen Lamp 20 - 40 W.

3.6 16 digit alphanumeric fluorescent display

3.7 Membrane keyboard.

Technical Specifications for washer

1 Auto strip washer for 96 well plates / strips

2 1 x 8 strips/ 1x12 strips.

3 Dispensable wash volume 50 - 300 µl.

3.a Residual wash Volume -<0.5µl

4 Aerosol Shield for user safety.

5 In built shaking facility

4 System Configuration Accessories, spares and consumables

8-12 channel manifold, all tubing sets, wash, rinse and waste bottles

Maintenance kit to be provided.

4.1 System as specified-

4.2 Halogen Lamps : 2

4.3 Printer inbuilt or external to be supplied along with 10 Rolls/Z Fold

4.4 Dust cover.

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%

5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

6 Power Supply

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug

6.2 Resettable over current breaker shall be fitted for protection

6.3 Suitable voltage corrector/stabilizer

6.4 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

7 Standards and Safety

7.1 Comprehensive training for lab staff and support services till familiarity with the system.

7.2 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

7.3 Should be FDA or CE or ISI approved product

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied

8.2 Certificate of calibration and inspection from factory.

8.3 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.

8.4 List of important spare parts and accessories with their part number and costing.

8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out

Item No 40

EMBEDDING MACHINE WITH COOLING STATION

Should be a Fully Programmable, automatic On/ Off control, unit comprising a maximum of Two consoles, one heated paraffin dispensing unit combined with thermal areas for storage and another Cryo console with cooling plate

I- Paraffin Dispensing Unit

1. Capacity of paraffin tank: min 4 litres
2. Capacity of Thermal Chambers for storage of molds: min 1.8 litres
3. Temp. range of Paraffin tank: 50- 70 deg C
4. Temp. range of Thermal Chamber: 50- 70 deg C in steps of 1 Deg C
5. Temp. range of Hot plates & forceps wells: 50-70 deg C
6. Connection for Electrically heated forceps
7. Six heated wells for normal forceps, 3 on either side of the wax dispensing line.
8. Precisely metered and adjustable gravity feed paraffin dispenser to deliver the right amount of paraffin.
9. Finger touch plate and foot switch for control of paraffin flow.
10. Large warm working surface on either side for min 10 cassettes on each side.
11. Control panel must have 2 line LCD display and easy navigation through the menu with help of simple touch key buttons.
12. Should have a Magnifying lens adjustable in any position, large cold spot & illumination for specimen orientation.

II- Cold Console

1. Capacity of freezing up to 60 blocks at a time.
2. Temp. range of cold plate: 0- 10deg C, adjustable in steps of 1 deg C.
3. Compressor to be extra quite to reduce noise fatigue.

4. Cryo Console to be controlled via the Dispensing Unit.

The system should work on 220-240 V, 50 Hz. Should use CFC free gas and must be original manufacturer and must have ISO 9000/01/02 certification.

Accessories:

1. Electrical forceps 2 nos.
2. Magnifying Glass: 1 no.
3. Foot Switch- 1 no.
4. Metallic Base molds -100 nos.
5. Plastic Embedding Rings- 1,000 pcs
6. Normal Forceps, Toothed – 6 pcs

Item No 41

Examination light mobile - 20000 lux

Light, examination, mobile, 220V/12V

Mobile light for medical examination Stand with 5 anti-static swivel castors Articulated arm 105 cm, spring loaded, with on/off switch and integrated transformer

- Halogene bulb: 12V/20W
- Light intensity approx: 20.000 Lux at 40 cm Natural white light: colour temperature 4000 K Reflector adjustable for positioning
- Power cord: length approx 3 m Power requirements: 220 V / 50 Hz Power
- Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted,
- CE/FDA/BIS approved product)

Supplied with:

- 1 x spare halogene bulb
- 1 x spare set of fuses
- User manual with trouble shooting guidance, in English
- Technical manual with maintenance and first line technical intervention instructions, in English
- List of priced accessories
- List of priced spare parts

Item No 42

Fully Automatic Bio-Chemistry Analyzer – Random Access

- Multi parameter and discrete analyzer including electrolyte with computer and printer.
- Capable of analyzing all routine bio-chemistry analysis including electrolytes (ISE –Module)
- Throughput up to 320 test/hour, on 24 hours basis.
- Capability up to 40 samples/run and up to 20 different at any one time
- On board refrigeration for reagents.
- Integrated computer system for data management and storage data.
- Sample volume can be adapted to paediatric samples (micro analysis)
- Calibration and maintenance requirement is minimum.
- To be supplied with 90 Litre/hour multi-stage with 3 different grades of water (3 separate filter) and deionised.
- Tests to be analyzed by pre-analyzer, LFT, liquids, total protein, calcium, posphorus, magnesium, amylase,, sodium, potassium, bicarbonate, chloride urea, creatine and glucose etc.
- Battery backup minimum for 30 mins.
- With complete accessories as cuvette, startup kit, consumables, cup 1000 etc.

Item No 43

Fully Automatic ESR Analyzer

- Loading Capacity- Max 12 samples
- Throughput- 24 samples /hour
- Analysis Time – 30 min /60 min
- Pre-indication of result –In just 12 minutes
- Graphic of Kinetics –In Westergren mm/h (by interpolation) –printer
- Blood draw level – 1.2 ml (acceptable range 1ml -1.35 ml)
- Temperature correction – Automatic compensation referred to 18 degree(Manley)
- Working Temperature Range – 15 to 32 degree C
- Measurement Principle- Infrared detection ,IR transmission reading of start and during 30 minutes of sedimentation
- Mechanical/optical precision of detection : Resolution of readings : +/-0.2 mm,
- Resolution of results : +/- 1 mm
- Measuring range: 1 to 140 mm/hr Westergren
- Reproducibility : C.V.5% (depending on sample value)

- Display : Graphic LCD display with backlight
- Interface : RS232C for printer
- Operating conditions : Temperature : 15 degree -32 degree C,
- Humidity : 45%-85%
- Dimensions : Height-20 cm, Width – 24 cm, Depth- 26 cm, Weight-3.5 kg(Approx)
- Power requirements : 100-240 Vac,50-60 Hz

Item No 44

Fully Automatic Heamatology Analyzer- Three Part

- _WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, LYM%, MXD%, GRAN%, LYM#, MXD#, GRAN#, RDW CV, RDW SD, PDW, MPV, PCT and Histogram for RBC, WBC and PLT
- It should be based on Electrical resistance for counting
- SFT method for Hemoglobin
- Sample volume should be 20ul for prediluted mode and 13ul for Whole blood.
- Throughput: Up to 60 samples per hour.
- Large colour display: resolution 800X600
- It should have the facility for data storage min 30,000 samples with histogram.
- It should be close tube sampling facility.
- Close tube sampling should have the facility for 4 position (QC 1.5 ml, 3 or 5 ml)
- 2 RS 232 port is required.
- Comprehensive QC program: L-J, X, XR and XB analysis.
- QC should be up to 9 QC lot- 30 runs lot
- Unique calibration program with fresh blood.
- Membrane key facility should be there.
- It should have the facility for in built printer with keyboard interface.

Item No 45

Glycosylated Haemoglobinometer

1. Fully automatic
2. User Friendly, easy to use
3. Multiple sample accommodation in primary tubes and sample vials. Whole blood primary tube sampling
4. Facility of result display with chromatogram in a printed format

5. Minimum interference from other labile HbA1C, Lipemic samples, other haemoglobin variants
6. With Bar Code Facility.
7. With LCD Display.
8. With Built in printer.
9. With Data Storage facility.
10. With Service port for connectivity
11. With Suitable UPS for ½ hr capacity.
12. With Two years warranty.
13. Five Year AMC along with rate.

Item No 46

HOLMIUM LASER

Should be compact, portable holmium laser that is perfect for a physician's office or small operating room. The holmium wavelength in excellent for urologic applications such as fragmentation of all stones, tumour treatments, and cutting and ablation of other soft tissue with minimal risk of bleeding. High performance solid state surgical laser for urology, ENT, and other specialities. Broad range of holmium treatment options with up to 2.5 J and 15 Hz with a maximum average power f 15 to 20 W. Good visibility with the green aiming beam. An easy-tochange debris shield that protects the laser system from fiber misalignment. The Case Saver mode allows surgeons to finish procedures if the system cannot deliver the maximum energy per pulse, eliminating the need for a repeat procedure.

System includes:-

Description

1 Single Foot Pedal

1 Fiber Inspection Scope

1 Operator Manual

1 Debris Shield

2 English Laser Warning Signs

2 Laser Safety Classes

1 Laser Safety Goggles

1 Remote Interlock Connector

1 110 VAC Power Cable

1 230 VAC Power Cable

System Specifications:

Average Power: 20 Watts

Laser Source: Holmium: YAG

Wavelengths: 2.1 μm

Energy per Pulse: 0.5-2.5 Joules

Repetition Rate: 5-15 Hertz

Pulse Duration: Up to 500 μs

Aiming Beam: 1Mw @ 532 nm, Green, 3 intensities,

Continuous or blinking modes

Display: Touch screen color display, with

Treatment, summary, and options screens

Delivery Systems: Compatible with Lumenis qualified

Reusable & single-use delivery systems with SIS

Dimensions: W x L x H: 20” x 22.5” x 12.7”

(51.5 cm x 57 cm x 32.2 cm)

Weight: 88 Ibs (40Kg)

Cooling: Self-contained, water-to-air exchanger

Utilities: 100-230 VAC, 14 Amp (100-110 V),

7 Amp (200-230V), 50/60 Hz, single phase

1 SlimLine 200 micron SIS Reusable Fibre, each Maximum outer

Diameter 0.45 mm (1.35 F), working channel needed 0.6 mm (1.8F)

1 SlimLine 365 micron SIS Reusable Fibre, each Maximum outer

Diameter 0.58 mm (1.75 F), working channel needed 0.76 mm (2.3F)

1 SlimLine 550 micron SIS Reusable Fibre, each, Maximum outer

Diameter 0.78 mm (2.25 F), working channel needed 1.0 mm (3.0F)

1 Ceramic Scissors. Used to cleave reusable fibres for tip renewal on all

SlimLime fibres

1 200 micron Fibre Stripper. Used to remove the (protective outer jacket form the distal

end of the reusable fibres. Labeled with product number and dark green insert.

1 365 micron Fibre Stripper. Used to remove the protective outer jacket form the distal end of the reusable fibres.

Labeled with product number and yellow insert.

1 550 micron Fibre Stripper. Used to remove the protective outer jacket form the distal end of the reusable fibres.

Labeled with product number and light green insert.

6. Power Supply

6.1 Power input: 220 – 240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz Three phase fitted with appropriate Indian plugs and sockets

6.2 Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications. (Input 160- 260 V and output 220-240 V and 50 Hz)

7 Standards, Safety and Training

7.1 Should be FDA, CE, UL or BIS approved product

7.2 Should be complaint to ISO 13485: Quality systems – Medical devices – particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

7.3 Electrical safety conforms to standards for electrical safety IEC – 60601-1 General Requirements

7.4 Comprehensive warranty for 5 years and provision of AMC for next 5 years

7.5 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection

8.3 List of Equipments available for providing calibration and routine Preventive Maintenance support as per manufacturer documentation in service/technical manual.

8.4 List of important spares and accessories with their part number and costing.

8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist,. The job description of the hospital technician and company service engineer should be clearly spelt out.

8.6 Must submit user list and performance report within last 5 years from major hospitals

Item No 47

Computed Radiography System (C.R.System)

Specification for state of the art latest Generation Computed Radiography (CR) system for high resolution Digital radiography

Features –

Technical Requirements – CR system configuration shall include:

a) Imaging plates (IP)
b) Image reader system
c) CR workstations
d) RIS interface
e) Remote ID and preview stations
f) Accessories and consumbles

g) Laser Imager

CR compatible imaging plates
Following sizes are required

a) 35cm x 43 cm – 12 nos
b) 35cm x 43 cm – 12 nos
c) 24cm x 30 cm – 12 nos
d) 18cm x 24 cm – 12 nos

Image reader shall meet the functional requirements:
a) Various Image – Processing protocols available for the respective regions of the body
b) IP processing rate should be about 90 plates/ hour
c) Mechanism for accepting exposed imaging plates with without demograhics, for causality / Trauma workflow requirements.
d) Capability of overwriting predefined image parameter with user-defined parameters & storing these two images separately
e) Correcting typographically in patient Demographic module, in case the RIS connection was down and manually date entry was done
f) Capability of changing W/I, Flipping, Rotating, Zooming, Collimating Annotating Incoming image
g) Auto-routing incoming image to predefined DICOM store (SCP storage) or Print Destination (SCP Print Destination)
h) Mechanism for printing Multiple Image in one film, with the possibility of slide and true size printing
i) Compatible DVD writer along with relevant software

Laser Imager System Configuration requirement:
Print Image form CR workstation
a) Capable of printing images in DICOM 3.0 format
b) Mechanism to print images 14x17, 11x14 and 8x10 film sizes simultaneously
c) Resolution should be 600 dpi or more
d) Capable of handling mammography plates

Functional requirements for Laser Imager”
a) Capable of printing images in high quality
b) Mechanism for printing images in 14x17, 11x14 and 8x10 film sizes simultaneously.
c) Mechanism for printing Multiple images in one film, with the possibility of slide printing

Provision for Distributed CR system, Additional workstation, Image reader, Preview stations and image planes
With all the optional software for enhancing the workflow and services in the digital Radiography environment
Laser images
Review station at key areas – qty (in OPD, OR, DOCTOR’S room etc.)
PC based DVD reader image manipulating software and high definition monitor (1.2 K x 0.78K) (approx)

Item No 48

OT Light (Mobile)

1**. Description of Function**

Mobile operating light is required for illuminating the operating held in an emergency environment and the system can be moved from place to place.

2. Operational Requirements

State of the art system with shadow less light

3. Technical Specifications

a. Mobile light on lockable castors

b. Should be LED based microprocessor control technology

c. Light output 1,00,000 Lux or more

d. Colour temperature 4500 K or better

e. Colour Rendering index (CRI) 95%

f. Sterilizable focusing handle

g. Should withstand wide voltage fluctuation

h. Should have intensity control from 40-100%

Emergency power Unit having in-built CVT with automatic change over from mains to battery mode in the event of power failure to provide 60 minutes backup

4. System Configuration Accessories, spares and consumables

System as specified

The rates for all the accessories should be quoted individual and separately.

5. Environmental factors

The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%

The unit shall be capable of operating continuously in ambient temperature of 0-40 deg C and relative humidity of 15-90%

6. Power Supply

Power input: 220-240V/50Hz AC Single phase fitted with appropriate Indian plugs and sockets

7. Standards & Safety

Should be CE/UL/BIS approved product

Manufacturer should be ISO certified for quality standard

Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirement (or equivalent BIS Standard)

Shall meet internationally recognised standard for Elector Magnetic Compatibility (EMC) for electromedical equipment IEC-60601-1-2: latest edition or equivalent at BIS or should comply with 89/366/EEC; EMC-directive as amended

Certified to be complaint with IEC 60601-2-41 particular requirements for the safety of Operation Theatre Light or Equivalent if applicable.

Item No 49

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 50

Phototheraphy Machine

1. Dimensions of the chamber should be at least 6 feet x 3 feet x 3feet.
2. Phototheraphy chamber of 18 UVA+18 NB UVB tubes designed for providing even irradiation of the body in the treatment area.
3. UV chockes must be provided to provide long life to the tube light and cooling fans for effective cooling of the unit.
4. integrated dosimeter system for easy calculation of irradiation levels.
5. The equipment have CE or FDA or ISI certification.
6. Advanced micro computerized electronic LCD/TFT Controller which allows setting of joules/time for UVA and milli Joules/time for NB UVB tubes.
7. Automatic computation of irradiation time from joules/time for NB UVB tubes.
8. Dose limit can be preset and cumulative dose is displayed instntaneously with provision of storage of data. Provision of 'software backup' is preferable.
9. Variation in irradiation is taken care by built in UVA/NB UVB sensors which should be able to detect all irradiation completely and uniformly.
10. Switches the system 'off' automatically with warming alarm at the end of set irradiation time.
11. Built in memory system that helps to avoide error in treatement.
12. Body to be of a metal which is rust free so as to ensure long rust free life of the unit.
13. Automated and/or mechaical safety mechanism to prevent excess irradiation to the pantients so as to avoid/prevent burns etc.
14. Electrical leakage circuit tripper/breaker in each panel to ensure maximum safety of the patient.

15. Open top unit to ensure maximum ventilation and prevent claustrophobia.
16. Mechanism to provide information to the patient regarding duration of treatment and time left for exposure during their treatment.
17. Computer for patient data management with software and interface for the phototheraphy chamber which is Rs.232 compatible.
18. To be supplied with suitable stabilizer.
19. Black UV Goggles and Eye pads cover (3 pairs each for adult and 3 pair for children) as protective+.

Item No 51

DOUBLE SURFACE PHOTOTHERAPY UNITS

1. Double surface phototherapy machine having Upper and lower surface phototherapy outputs as below and a baby bassinet having transparent baby bed side rails made of acrylic. All these should be mounted on a stainless steel stand (scratch and rust proof, Epoxy / Powder coated) with three or four castor wheels with brakes and earthing facility.

a) Upper surface phototherapy

Should have 4-blue and 2-white compact fluorescent lamps (CFLs)
With irradiance of at least 18μW/cm²/nm
Wave-length range of 420-470 nm
Mounted on a stainless steel canopy with adjustable height facility and well fixed baby protection sheet
Re-adjustable time totalizer for counting total elapsed life of CFL lamps.

b) Lower surface phototherapy:

Should have 6-blue compact fluorescent lamps (CFLs).
With irradiance of at least 18μW/cm²/nm
Wave-length range of 420-470 nm
Mounted on a stainless steel canopy fixed at 45 cms from baby bassinets and covered with adequate insulation sheet/ covering (to avoid soiling and short circuiting) with adjustable height facility and baby protection sheet.
Re-adjustable time totalizer for counting total elapsed life of CFL lamps

2. CVT of appropriate voltage adequate for the equipment – 1 KVA with each unit.
3. Power supplies – 220-240V A.C.
4. Should confirm to IEC – 601 safety standards.
5. Should be ISO 9001: 2000 & 13485 certified.

Warranty for two years

Post-warranty CAMC for 3 years

List of essential accessories should be provided and quoted separately. Prices so quoted to be frozen for 5 years.

The department will like to have a live demonstration of the equipment

Original literature, and not the photocopy, to be supplied with the quotation.

Company should certify that model quoted is latest and not obsolete, and spares will be available for next 5 years after the completion of warranty.

Specification are not tailor-made, and more than one company manufacturing the equipment.

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^{o} 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.

Item No 53

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 non invasively through a mask or other non invasive 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

Item No 54

Syringe Pump with Drug Library & Calculator

Flow Rate

- 5 ml: 0.1 to 100.0 ml/h, 0.1 ml/h increment
- 10 ml: 0.1 to 200.0 ml/h, 0.1 ml/h increment
- 20 ml: 0.1 to 400.0 ml/h, 0.1 ml/h increment
- 50/60 ml: 0.1 ml to 900 ml/h,0.1 ml/h increment
- Should Adopt Syringes various brands from 5, to 50/60 ml,
- Time Limit from 1 min. to 99 hours and 59 min.
- Max Volume - 9999.9 ml
- Should Have Drug Library

Programming

- Wt.x Concentration x Dose for calculation
- ml/h x volume limit
- Time x Volume limit
- **Alarms** - Visual and Audible
- Block Error, Programming Error, KVO Rate, Occlusion, Low Battery
- Syringe Error, Stand by, completion of infusion
- Programmable Bolus from minimum 0.1 ml to corresponding flow rate of the syringe
- Clear display screen Monochrome LCD or LED
- Battery Life approx 10 hrs, rechargeable

Additional Functions

- KVO adjustment, Memory of the last infusion used, occlusion
- adjustment, adjustment of sound level, Titration facility
- Pressure settings from 30 to 80 kPa
- Deviation - +/- 1%
- The unit should have GMP certification, ISO 134585, CE

Item No 55

UVB CHAMBER

The unit has 24 NBUVB Narrow Band UVB Tubes. (311nm)

Tubes from Phillips Holland 100W, 6Ft.

Special UV chokes for maximum life for the tubes.

The Unit is provided with imported mirror (from Italy) type reflectors.

Cabinet made of high quality Steel and powder coated.

In-built Multi Sensor dosimeter with Dynamic Range Angular Sensitivity (DRAS) Technology.

Cumulative hour meter is provided in embedded system with password.

Four line Liquid Crystal Display for the control panel.

Feather touch key pad provided.

Lock and Key provided for the control panel.

Personalized phototherapy patient data card is provided (100 nos.)

One year warranty against any manufacturing defects except for tubes.

Computer calculated arrangements of the tubes, enables an even illumination of the body in the treatment field.

All safety features provided with trippers and independent control for each panel.

Small space required (elegant & compact).

Large door, very easy to open from inside.

Plenty of space in the cabin for the patient.

Cooling system provided for each panel.

Easy to service and assemble (modular design).

The unit is provide with talking system.

Personalized Phototherapy Patient Data Cards Provide with the units.

Minimal heat development due to low current consumption.

Power Required 6KVA.

Item No 56

HAND EVALUATION KITS

- Base line Hydraulic Digital Grip Hand Dynamometer – 300 lb
- B&L Pinch Gauge 0-60 lbs. in 2 lb. increments
- Stainless Steel Goniometer
- 2-Point discriminator with 3rd point
- Wartenburg Pinwheel

- Finger Circumference Gauge
- Functional Finger Motion Gauge.

Item No 57

MUSCLE STIMULATOR

- Should be microprocessor controlled muscle stimulator
- The unit should have LCD display
- The unit should be light weight and portable
- 5 different stimulus current modes should be available: Galvanic, Interrupted Galvanic, Faradic, Surged Faradic and TENS
- Should Display the actual intensity in Volts and in Galvanic mode Ma
- TENS should have Frequency and width modulation
- Should be supplied with Standard Accessories
- Power Supply: 230V, 50 Hz AC

Item No 58

Hydrocollator Unit

- Should be made up of high quality stainless Steel
- Tank Capacity 30 liters
- Filled Weight : 56 Kg (120 Ibs) (approx.)
- Temperature Range : 160º F - 165º F (71º C - 74º C)
- Thermal Cut-out Temp: 190º F ± 14º F (88º C ± 8º C)
- Heating Up Time from 160º F (70º C) – 3 Hours
- Cool Down Time from 160º F (70º C) – 2 Hours
- Power Consumption 1000 W
- Power Supply: 230 V, 50 Hz AC Supply
- Should be supplied with Eight standard size hot pacs
- Should be supplied with all standard accessories and consumables.

Item No 59

IFRARED LAMP

- Should be floor stand model
- IR lamp should be of 150 to 250 W

- The unit should have timer with automatic stop : 0 to 30 min
- Stand should have lockable castors and should be height adjustable
- Power Supply : 230 V, 50 Hz AC

Item No 60

INTERFERENTIAL THERAPY UNIT

- Should be Microprocessor controlled IFT unit with large LCD display
- Should have 2 channels with independent intensity control
- There should be digital display of time, frequency and intensity
- The unit should have different programs for different type of treatment applications
- The unit should be light weight
- Operation Modes: 4 pole IFT with and without vector scan, 2 pole IFT
- System should have 16 types of current including direct current, dynamic current, rectangular pulse current, triangular pulse current, interrupted direct current, galvanic current, surge current etc.
- Beat low and Beat high should be digitally controlled in 1 Hz steps and should be displayed in numeric value on the LCD display
- Carrier Frequency: 2, 4 KHz
- Base: 0-150 Hz
- Sweep: 0-100 Hz
- Output current : 0-100 Ma
- Timer: 0-99 minutes
- Power Supply: 230V, 50 Hz AC
- Should be supplied with all standard accessories and consumables

Item No 61

PARALLEL BARS

- Hand rail should be made up of high quality Stainless Steel
- Platform should be made up of water resistant wooden or polished hardwood
- Platform should be provided with slip resistant treads on tapered ends
- The unit should have height adjustment from 60 to 100 cm
- Handrail should provide smooth and comfortable grip
- Parallel bars should be easily assembled or disassembled

Item No 62

SHORTWAVE DIATHERMY UNIT

- Should be suitable for heating the body tissue deeply and cure arthritis, rheumatism, sprain and other ailments
- Modes: Pulsed and Continuous
- Continuous Output: 400 W
- Pulsed Output : 500 W
- Timer : 0 to 99 min
- Intensity should be variable by solid state circuits
- Unit should be portable with good quality castors
- Unit should be supplied with following accessories
- Power Supply : 230V, 50 Hz AC

a) Pair of pads

b) Main cable

c) Power cord

d) All standard accessories and consumables

Item No 63

TENS UNIT PORTABLE

- Should be microprocessor controlled portable TENS unit
- Should be Dual-Channel Tens Stimulator
- Timer: 30 minutes, 60 minute or continuous mode selectable.
- Wave Form: Asymmetrical biphasic square pulse
- Pulse Amplitude: 0 to 80 Ma each channel, adjustable
- Pulse Rate: 2 to 120 Hz, adjustable
- Pulse Width: 40 to 260 microseconds, adjustable
- Mode Available: Burst, Normal, Modulation
- Should be light weight portable unit powered by rechargeable batteries
- Should have indicator for power

Accessories

- Molded Plastic carrying case
- Rechargeable batteries

- Charger for batteries
- User Manual.
- All standard accessories such as leads and electrodes

Item No 64

TRACTION UNIT WITH TREATMENT BED

- Should be horizontal lumbar traction unit with treatment bed
- Unit should be suitable for Intermittent, Progressive, harmonic and static traction
- Unit should have less Noise and Friction less operation
- Treatment Time : 0 to 60 min
- Hold Time Set: 15 sec, 30 sec, 60 sec & 90 sec
- Rest Time Set: 1 sec, 10 sec, 15 sec & 30 sec
- Modes: Continuous and Intermittent
- Traction Force: 5 to 45 Kgs
- Power Supply: 230V, 50 Hz AC
- Should be supplied with electrically operated treatment bed controlled by remote controller
- Treatment bed should be of 4 section top
- The treatment bed should be of approximate dimension 198 cm x 70 cm with an additional 16inch long traction mounting board which can be adjusted in a variety of angles to 90 degree on either side
- Height of the bed should be adjustable from 45 cm to 99 cm
- Base frame and support frame should be fabricated using steel square / rectangular section of adequate cross section and thickness to provide high structural strength and stability
- Should have the following ranges of movements
- Height : 480 – 750 mm
- Back section:0-50 degrees
- Leg section : 0-30 degree
- Trendelenburg/reverse Trendelenburg range: -25º / +15º

System Configuration and Accessories

- Traction Machine
- Traction table
- Flexion stool spreader bar
- Head halter

Item No 65

EROGMETER (STATIC CYCLE - ADULT)

- The unit should be stable, light weight exercise cycle
- Should have digital electronic meter
- The unit should have adjustable seat height and handrails
- Non wearing magneric brake is preferable
- Should have weight resistance settings
- Step through frame easy to mount/dismount.

Item No 66

TREADMILL MOTORISED IMPORTED

- Should be microprocessor controlled treadmill with advances safety features.
- Motor capacity: At least 1400 watt
- Step Height : 12-15 cm
- Treadmills should have control panel for time speed and inclination and with a readout of distance traveled
- The unit should be computer operated models with the possibility of programming protocols
- The unit should have digital display of speed, tilt and elapsed time
- An additional ramp should be provided for easy access for wheelchairs
- The unit should have built in safety stop which instantly turns off the treadmill when the ramp is accessed.
- Motor should be driven by computer to ensure maximum stability of speed
- Anti slip coating should be provided on belt walking surface.

Item No 67

ULTRASOUND THERAPY UNIT

- Should be Microprocessor controlled ultrasound therapy unit with large LCD display
- Ultrasound Frequencies: 1 MHz and 3 MHz
- Output Modes: Continuous and Pulsed
- Intensity range in continuous modes: 0.05 to 3 W/cm2
- Intensity range in pulsed mode: 0.05 to 5 W/cm2
- Timer: 0 to 15 min
- The treatment head of the equipment should be fully water resistant, so that machine can be used in under water treatments also

- Power Supply: 230V, 50 Hz AC

Accessories:

· Treatment head 1 MHz with standard length cable

· Treatment head 3 MHz with standard length cable

· 1 bottle Jelly

· 1 Power cord

· User manual – 01 no.

Item No 68

WAX BATH

- Electricity heated mobile wax bath
- Capacity should be atleast 30 liters
- Inner tank should be made up of SS
- Temperature range should be adjustable from 10 to 80 degree Celsius
- Should be of 2000 watts
- Power Supply : 230 V, 50 Hz AC
- Should be supplied with all standard accessories and consumables.

Item No 69

CPM KNEE UNIT

- Should be microprocessor controlled CPM unit with LCD display
- The unit should provide anatomical motion for all types of CPM Knee Patients:
- The unit should have force reversal safety feature and patient lock out features
- Range of Motion: Hyperextension (-10º) to Full Knee Flexion (120º)
- Pause time: 0-30 sec.
- Speed : 30 - 150º/min
- Force : 35 – 75 lbs (16 – 34 kg)
- Power Supply : 230V, 50 Hz AC

Item No 70

VACCUM COMPRESSION THERAPY SYSTEM

- Should transfer pressure to the foot and then the calf using compressed air, to increase arterial blood flow to the lower extremities
- The device should be suitable for patients who suffer from poor circulation

- The unit should increase blood flow by providing targeted sequential compression of the foot followed by the calf using a rapid inflation/deflation pressure pulse
- Should use a high pressure, rapid inflation/deflation protocol
- The unit should provide Intermittent pneumatic compression of foot and calf at 120 mmHg
- Inflation time: 3 seconds (+/- .5s)
- Delay between foot and calf compression : 1 second
- Cycle; 20 seconds/ 3 cycles per minute
- Should be able used as Unilateral or Bilateral System
- Power Supply: 230V, 50 Hz AC
- Should be supplied with all standard accessories.

Item No 71

Vaginal Hysterectomy Set

Sl No	Instruments	Demand	Size
1	Sponge Holder	4 x 2=8	650 x 8
2	Needl holder	4 x 2=8	750 x8
3	Artery Forceps 8"	4 x 2=8	675 x 8
4	Artery Forceps 6 1/2 inch	10 x 2 = 20	405 x 20
5	Allis Forcep	10 x 2 = 20	750 x 20
6	Straight Hys. Clamp	5 x 2= 10	700 x 10
7	Curved Clamp	5 x 2= 10	700 x 10
8	Mosquitoes Forcep 5'	6 x 2 =12	375 x 12
9	Towel Clip	6 x 2 =12	375 x 12
10	Steel Basin	2 x 2 = 4	250 x 4
11	Valasulum	2 x 2 = 4	650 x 4
12	S.S. Bowl	3 x 2 = 6	100 x 6
13	Bladder Retracter	2 x 2 = 4	750 x 6
14	Steel Tray Big without cover 12" X 15"	2 x 2 = 4	1200 x 4

Item No 72

A-Scan Biometer (Imported)

1. Probe Frequency- 10MHz
2. Portable and Light weight
3. Soft touch probe with internal LED for fixation
4. Accuracy of measurement of axial length +/- 0.05 mm.
5. Measurement mode, Auto, manual, calibration.

6. Measurement technique, contact and immersion.
7. IOL power calculation formulas, SRK T, SRK II, Holladay, Binkhorst I, Haigis, Hffer Q
8. Sursion profiles,minimum6.
9. IOL contents input for minimum 10IOLS
10. Patients memory data storage-minimum 50
11. Built-in thermal printer.
12. Voltage input,220-240volts,50-60 hz.
13. Computer communication port for data export.
14. Warranty 2 yrs
15. CAMC for3 years after the expiry of warranty period

Accessories-

1. Test eye
2. Manual
3. Fuses-5 nos.
4. Post lasik formula.
5. Foot switch
6. Additional solid tip transducer with fixation light
7. Print paper roll-10 nos.
8. Immersion cups-5 nos.

Item No 73

Intubating Flexible fibreoptic (Laryngo) Bronchoscope

Helpful in various cases with difficult intubation like cases of burn

Cervical spondylosis and cases of anklyosing spondylitis

Restricted mouth opening

Trauma and tumor of the upper airways

SPECIFICATIONS FOR INTUBATING FIBEROPTIC SCOPE SET

01. Should be waterproof, fully immersible for cleaning and disinfection.
02. Should allow

a) Minimum Deflection up/down - 140 degree
b) Deflection of view - 90 degree
c) Angle of view - 90 degree
d) Depth of field - 3-50 mm

03. Should have

a) Distal tip diameter - 3.4mm to 3.7mm
b) Insertion tube diameter - 3.5mm
c) Working channel diameter - 1.4mm to 1.5mm
d) Minimum working length - 60 cm
e) Minimum total length - 35 cm

04. Should have a flexible fiber light scource cable with diameter between 3.5 cm – 4.8 mm and minimum length of 180 cm
05. Should allow simultaneous use of suction and oxygen.
06. Should have Xenon light source with following specifications

a) Colour temperature between 5500-6000K
b) Xenon lamp 75 watt
c) Power supply 220-240 V/50-60Hz
d) Should have brightness control

07. Should provide monitor of following speciifications

a) Should have 19” colour TFT flat screen
b) Should have separate audio and video channels
c) Should be compatible with S-video, FGB
d) Should be compatible with endovision camera

08. Should provide endovision camera of following specifications

a) Should have 3CCD-chip image senser
b) Should have a sensitivity of <5 lux in standards mode and < 3 lux integrated mode
c) Should have a resolution of 700 – 800 lines horizontal
d) Should have integrated parfocal zoom lens of 30-50 mm
e) Should have manual or automatic digital exposure control

f) Should have integrated image processing module

g) Should have RGB, DV and S-video signal compatibility

h) Should have a minimum 3mts cable

i) Should operate on 220 V/and 50Hz.

09. Should have mobile cart/trolley with following specifications:-

a) Should be made of heavy CRC sheets

b) Should have minimum 3 shelves and 1 drawer

c) Should be provided with electrical sockets

10. Should provide following accessories

a)	Cleaning brush long	02
b)	Cleaning brush short	02
c)	Suction buttons	02
d)	Suction channel cleaning adaptor	02
e)	Rubber inlet seal	10
f)	ETO venting cap	02
g)	Lens cleaner	02
h)	Bite block	02
i)	Carrying case	01
j)	Spare xenon lamps	01

11. Should provide a CPU with pentium –IV or its equipments processor , a 17" TFT monitor, a UPS and laser printer.

12. Should provide a image capturing and processing software compatible to be software provided with CPU.

13. Company should provide a minimum warranty of 2 years and CAMC for 3 years after the expiry

Item No 74

Portable Ultrasound with Colour Doppler

Used in central venous cannulation

Increases the success rate of cannulation

Decreases the number of attempts and hence the total time of cannulation

Decreases the rate of complications like carotid artery puncture and pneumothorax

SPECIFICATIONS OF PORTABLE ULTRASOUND WITH COLOUR DOPPLER

1. Should be fully digital, latest technology, portable ultrasound not weighing more than 10kg.
2. Should be suitable for vascular access applications, regional anaesthsia, ehocardiography and abdominal applications.
3. Should have based on wideband multi frequency transducer technology.
4. Should have B-mode, colour angio, pulsed wave doppler mode and continous wave doppler mode of imaging.
5. Should have tissue harmonic imaging facility for diffcult to image patients.
6. Should have a fast boot up for critical care situation.
7. Should have a high sustem dynamic range of atlest 150dB.
8. Should be able to work on AC mains 9220V/50 Hz) as well as on built in rechargeable battery with a minimum life of three after charging.
9. Should have inbuilt foldable alphanumeric key board.
10. Should have integrated color display screen size of minimum 8 inches.
11. Should have a frame rate of more than 120 frames per second.
12. Should have complete calculation packages for all appliacations.
13. Should have inbuilt storage facility for atleast 500 images or more.
14. Should have cine memory.
15. Should be a DICOM ready system, with print, save, modality work list for connecting to DICOM network.
16. Should be capable or transferring, archiving, viewing and printing high resolution images via DICOM to a computer.
17. Should be capable of upgradation.
18. Should be supplied with following accessories:
    a) 5-10 MHZ broadband linear probe for vascular application.
    b) 2-5 MHZ Boradband micro convex probe for echo and abdominal applications.
    c) B/W Thermal printer.
    d) Cart for transportation purpose.
    e) Latest Pentium Chip based computer with multimedia, DVD-R, 17” TFT monitor, colour inkjet printer and UPS.
19. Should be supplied with a minimum warranty period for 2 years and CAMC rates for 3 years post warranty.

Item No 75

Operation Table - Motorized

Versatile operating table for Ophthalmic Surgery and certain special procedures.

Smooth, easy and accurate positioning movement controlled by electronic system without jerk at start and end.

Up, down movement controlled by footswitch and output for three equipments

Adjustable cushion head rest with wrest support.

Tilting movement forward & reverse 20 to 28 deg.

Tray with I-V Pole & breathing rod provision.

Dimension

Length : 1800mm ~ 1900mm

Width : 600mm ~ 700mm

Weight : up to 100~ 120 Kgs.

Stroke length : 250 ~ 280mm

Up & Down Minimum height : 500 ~ 600mm

Maximum Height : 800 ~ 900mm

Standards, Safety and Training

Item No 76

Cystospin

1 Description of Function

1.1 A cytocentrifuge, which operates at a speed of between 200 and 2,000 rpm, forces the cells from a suspension onto a microscope slide and a blotter simultaneously, absorbs the suspension medium. Cyto evaluation is evaluation of cells under microscope.

2 Operational Requirements

2.1 Latest Model Microprocessor controlled compact Centrifuge with sealed rotor head for separation of cells found in body fluids

Cells are directly attached in a monolayer to a microscope slide by means of centrifugal force and a slide and funnel device.

3 Technical Specifications

3.1 Speed range at least :200-2000 rpm

3.2 Time range at least : 1-99 minutes

3.3 Number of specimen-can handle up to 12 samples in one cycle.

3.4 Memory to store 20 preset procedures.

3.5 There should be a membrane keypad with bright LCD/LED Display of Time, Speed and program protocols.

3.6 Audio alarm for out of balance, outside speed tolerance or if the lid is not properly locked. The system will not run if the lid is not locked properly.

3.7 Specimen safety alarm should be incorporated; users to be reminded in specific intervals to remove specimen, protect hem from air drying and improve consistency of results . .

3.8 System design should prevent accidental spillage and should allow for easy Disinfection.

4 System Configuration Accessories, spares and consumables

4.1 It should be supplied with reusable and auto-clavable specimen chamber capable of handling low volumes and high volumes

4.2 Quote consumables for 1000 samples

5 Power Supply

5.1 Power input to be 230 V+/_10%, 50 Hz fitted with Indian plug

5.2 Suitable voltage corrector/stabilizer

6 Standards and Safety

6.1 Should have CE ,GS and U/L Certification..

6.2 Comprehensive training for lab staff and support services till familiarity with the system.

Item No 77

Rotary Microtome

1. Manual, Rotary
2. Accurate reproducible section of same thickness high quality through out the length of the specimen travel.
3. Ergonomic balanced flywheel.
4. Brake for flywheel.
5. Total specimen advance about 70 mm.
6. Audiovisual alarm at beginning and end of travel range.
7. Disposable blade holder for both high & low profile blade.
8. Spring loaded disposable blades.

Accessories

High profile blade 1 packet of 100.

Low profile blade 1 packet of 100.

Dust cover

Section thickness:

Section thickness setting range: 0.5 – 100 µm

Setting values: from 0.5 µm – 5 µm in 0.5 µm-increments

from 5 – 20 µm in 1 µm-increments

from 20 – 60 µm in 5 µm-increments

from 60 –100 µm in 10 µm-increments

Trimming section

thickness setting range: 1 – 600 µm

Setting values: from 1 – 10 µm in 1 µm-increments

from 10 – 20 µm in 2 µm-increments

from 20 – 50 µm in 5 µm-increments

from 50 – 100 µm in 10 µm-increments

from 100 – 600 µm in 50 µm-increments

Object feed: 28 mm ±1 mm, feed motion via step motor

Vertical specimen stroke: 70 mm

Sectioning modes: 4

Specimen retraction:

in manual operation: 5 – 100 µm in 5 µm-increments, can be turned off

in motorized operation: varying with the sectioning speed, can be turned off

Electric coarse feed: 300 µm/s und 900 µm/s

Sectioning speed: 0,5 – 420 mm/s ± 10%

Maximum specimen size (L x H x W): 50 x 60 x 40 mm

Specimen orientation: horizontal: 8°, vertical: 8°

Nominal supply voltages: / 230 / 240 V AC ±10%

Certificates: CE, c-CSA-us

Item No 78

ETO Sterilizer

1 Description of Function

1.1 "Ethylene oxide sterilizer" is defined as equipment which uses ethylene oxide as a biocide to destroy bacteria, viruses, fungus and other unwanted organisms. Ethylene oxide is used in sterilization of items that are heat and moisture sensitive

2 Operational Requirements

2.1 The ETO gas sterilizer should be fully automatic type for sterilization of heat sensitive goods such as anesthetic tubing and other plastic disposable materials etc.

3 Technical Specifications

3.1 The sterilization chamber should be double walled, corrosion and gas resistant of suitable alloy. The inner surface should be smoothly finished to minimize gas deposits. The chamber shall be insulated against heat emission and the jacket shall be connected to the warm water circulation arrangement.

3.2 The sterilizer door shall have a quick release locking arrangement with door opening. Suitable safety interlocking arrangement shall be provided for the door so that the sterilization process does not start unless the door is properly locked in position and during the program run it should not open.

3.3 The sterilizer should be provided with a suitable vacuum pump and gas trap to separate and evacuate the gas.

3.4 The sterilizer should be provided with an automatic programmable panel with memory for preset operating sequence of all programs of operation. Monitoring instruments should be provided with the ETO for proper operation and monitoring of sterilizing process such as pressure manometer, thermometer, limit selector for temperature and pressure etc.

3.5 The ETO sterilizer should be able to operate for the minimum essential following cycles programmes:

a. Sterilization cycle for heat sensitive objects that ensure temperature from 40-75 deg C with subsequent aeration for protection of the operating personnel.

b. Aeration cycle/program to extract residual gas out of the sterilized objects after each sterilization cycle.

c. Automatic chamber evacuation cycle with subsequent venting before releasing the door lock for opening, thereby prohibiting exposure of the operating personnel by gas dissolving from the chamber walls during shutdown period.

d. Gas disposal arrangement / catalytic converter.

3.6 Capacity: 3-5 cubic feet/per cycle with capacity to process 8-12 cubic feet/24 hr. Firm should clearly state cycle time (Time from start to finish including aeration time) so that capacity to process total load in 24 hr can be calculated.
Bench top/ floor model

3.7 TECHNICAL DATA:

a. Sterilization gas: Ethylene oxide.

b. Sterilization method: Cold sterilization of heat sensitive materials.

c. Operating temp. Range: 40 to 75 oC

d. No. of doors: One.

e. dearerator

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 Sterilization basket of suitable size 1 No.

4.3 ETO gas cartridges-100 NOS.

4.4 deaerator, air compressor.

4.5 Packing Material with Chemical Indicator of all sizes one roll each

4.6 Sealing Machine Heavy Duty - 1 No.

5 Environmental factors

5.1 The entire unit & Gas cartridges should be EPA (Environmental Protection Agency or certified for Government authority in India. Statutory concerned with Environment protection & occupational safety regulations applicable)

5.2 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. Or should comply with 89/366/EEC; EMC directive.

5.3 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative humidity of 15-90%
5.4 The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90%

6 Power Supply
6.1 Power input to be 180-270VAC, 50Hz
6.2 On line UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

7 Standards, Safety and Training
7.1 Shall meet International Organization for Standardization. Biological evaluation of medical devices. Part 7: ethylene oxide sterilization residuals [standard]. 1st ed. ISO 10993-7. 1995 (reaffirmed 2001). OR Any international/ National standard for ETO Safety.
7.2 Manufacturer should have ISO & CE certification for quality standards.
7.3 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements

8 Documentation
8.1 User/Technical/Maintenance manuals to be supplied in English.
8.2 Certificate of calibration and inspection.
8.3 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
8.4 List of important spare parts and accessories with their part number and costing.

Item No 79

Electrophoresis Workstation

1. Should be compact bench-top analyzer
2. Should have capacity for up-to 24 sample simultaneous application
3. Should have special applicators for precise sample application
4. Should have precise antiserum applicator for IFE ensuring complete lane coverage
5. Should have optimized Gel Range
6. Should have simple to use intuitive software
7. Should have using semi-dry buffer system
8. Gels should have pre casted buffers
9. System should have for high voltage applications like also Electric Focusing
10. System should have optimized temperature operation.

Item No 80
UBM (Ultrasound Bio Microscope) with AB Scan Probes

1. Compact, easy to move, set up and operate
2. User friendly software allows diagnostic data and essential measurements to be obtained with minimal training

3. Specific features in an image may be evaluated using angle, area and ruler analysis tools.
4. The Echo + foot pedal enables hands free image acquisition.
5. Unique touch screen display allows for input without the need for a keyboard (Keyboard/mouse are included)
6. One touch video file (AVI) saving function.
7. Ability to save/access 6 JPEG images per scan.
8. CE/FDA approved

Technical specifications

UBM – touch screen computer, ultrasound probe, foot pedal, stand, key board/mouse.

- **UBM Transducer:** 50 MHz Ultrasound probe.
- **A-scan Probe: 10 MHz** for IOL power calculations
- **B-scan Probes: 10 / 12.5 MHz & 35 MHz** for imaging of anterior/ posterior chambers

Item No 81

Automated Blood Culture System

Specification for the Automated Blood Culture system

- Fully automated, capable of culture of blood, body fluid and Mycobacterium culture in the same instrument
- System is capable of continuous monitoring of samples for growth of organisms in each cell
- The capacity to hold more than 100 bottles at any given point of time
- Should have continuous agitation for growth of organisms
- System should have special culture bottles to neutralize antibiotic effect
- System should have Fluorimetric/Colorimetric principle of detection based on CO2 sensor to indicate growth of organism
- System should have bottles, which are capable of detecting bacteria and fungi.
- System should have built in calibration check
- System should have facility of analyzing delayed entry specimen with the routine bottles (Delayed vial entry)
- System should have the capability to process samples of adults and children.

Item No 82

Trinocular Research Multi/ Penta Head Microscope

Upgradeable to 10 heads in future

Main Head: Trinocular Three Position Head IE 100% for Observation, 80/20 and 100% for CCD with wide field eyepiece 10X FOV 22 MM

Nosepice: Septuble / Seven Fold revolving nose piece with inverse tilt and a slot to hold poloriser or DIC filter

Mechanical Stage: Rack Less Mechanical Stage with Ceramic coating for longer life, Torque adjustment mechanism, left or right low drive, dual slide holder.

Body: Sturdy Y Shape body with built in filters day light, ND 06, ND 25 and one optional and provision for future upgradation to DIC.

Illumination: Built in Koehler illumination halogen 12 V 100 Watts, with light pre switch for CCD, Intensity Display by LED Indicators

Condensor: Swing out ultra Low condenser for observation from 2X to 100X objective magnification

Universal Infinity plan optical system:

4X/0.1, WD 18.5 MM Objective

10X/0.25,WD 10.5MM Objective

20X/0.4, WD 1.2MM (Spring) Objective

40X/0.65, WD 0.6MM (Spring) objective

100X/1.3, WD 0.15MM (Spring, Oil)

Multi Head / Penta Head Attachment

Comprising of additional four binocular heads with FOV 20MM eyepiece with eye correction facility mounted on superior optical beam splitters with height adjustable stands, superior quality LED pointer with color changeable modes with joy stick

Digital Imaging System

Comprising of 3.3 Mega pixels peltier cooled CCD Camera with Image analysis software

To be supplied with latest desktop computer with LED monitor 20”

Item No 83

Robotic Therapy equipment

Specification: An electronically operated two-piece equipment

One Piece – a large box having one vertical telescopic lever at one end. On other end a vertical stand holding computer approximately 4 ft above ground. Vertical lever approximately 3 ft H above ground, which can be moved in all directions. The upper end of lever having small platform to hold hand/arm in place with Velcro straps. Hand/arm piece can also be moved in all directions along with lever or with lever static. Computer at the other end of equipment box displays image of patient’s hand/arm movements while the patient moves lever and/or hand/arm piece. Computer to contain number of virtual functional activities programs to choose from.

Second piece – an adult-sized cushioned chair of steel/aluminium. Chest harness of Rexene/nylon material on chair to hold the patient securely during therapy. Two horizontal rods at the base of chair (at front and rear end) for more stability

Space required: 10 ft x 8 ft floor space

Justification: Robotic therapy is very effective new treatment modality for patient with impaired voluntary control and co-ordination; muscular weakness and reduced joint range of motion in upper extremity

Item No 84

O.T table for Orthopaedics compatible with image intensifier

a. The traction devices used for the closed reduction of fracture should be attached / detached to the main table in a hanging manner. No attachment of the traction devices should touch the floor so that image intensifier moves freely underneath the traction devices.
b. Table top longitude sliding of about 25cm to 35cm for closing spinal instrumentation surgeries [to get clear image of lumbar/thoracic spinal levels]
c. Beach chair positioning for doing shoulder surgeries
d. Arm rest for doing elbow/humeral shaft surgeries
e. Adjustable range of Traction devices from upto 1700 mm
f. Lateral lilt (Left / Right)
g. Trendlenberg/reverse Trendlenberg with table bent in such a way to correct lumbar lordosis while doing spine surgeries with patient in prone position.

Accessories

Special pelvic & back support for keeping the pelvis in stable position for doing total HP Prosthesis

Special clamps with Bolster (rounded) for keeping knee in flexed position while doing total knee replacement. – 2 nos

Thigh support pad

Late support / side support adequate padding – 4 nos.

Accessories for doing Thoracic & Lumbar spine surgeries

Accessories for doing cervical spine surgeries

Counter Traction post for femur

Counter Traction post for Tibia Nialing

Condyle fixation devices for doing Tibial nailing

Should supply Arm board, Foot Plate with adjustable ivelcro shap & head pad, paned arm board

All necessary clamps or adaptors

Anesthesia screen

Accessory Stand

Item No 85
C-Arm Image Intensifier

C-Arm to have following better mechanics

a) Vertical Travel : 450mm or more
b) Pivotal rotation : +- 10 degree or better
c) Orbit rotation : 115 degree or better
d) Depth /Radius of C-Arm : 600mm or more
e) SID (SO, Source to Image Distance) : 900mm or more
f) Horizontal Travel : 200mm or more
g) Free space between II and X-Ray tube : 700mm or more
h) Rotation of C-Arm : +/- 190 degree or more
i) Total Width of C-Arm : 850mm or less

Remote controllable parallel & Iris Collimator with rotable parallel shutter. Rear front wheel Steerable

1. **Image Intensifier:** Fully counterbalanced in all position without manual locking. 9"/6"/4" with zoom. At least dual/triple field input dia offering high resolution (64 1p/cm or better for 4" input)
2. **TV Camera:** Ultra compact CCD Camera with high no. of pixel (4,50,000 Cr. More) and video band width (at least) 9 MHz or better
3. **Monitor:** Two 17" High definition monitors, 100 Hz systems Flocker free with facility for continuous image (clock wise and anti clock wise) and image inversion (up/Down and Left/Right) mounted on mobile with castors and locks and Automatic brightness sterilizer (ABS)
4. **Direct Radiography:** mAs range 250 mAs or better, mA-65 mA or better. Should provide a cassette holder for 24 x 30 cm cassettes along with 6 Nos. cassette including high speed screens.
5. **X-Ray Generator:** Self contained Mono-block high frequency (40 KHz or more) X-ray generator with high capacity rotating anode X-Ray tube or dual FOCI of 0.3 and 0.6 mm (200 KHU) or better, concealed wiring going to X-Ray Tube
6. **Fluoroscopy:**

   Fluoroscopy output : 10-120 KV or more in 1 KV steps
   mA output normal fluoroscopy : 4 mA
   Pulse fluoroscopy rate selectable : One image per second to one image per 5 sec
   Snapshot (boosted) : minimum upto 8.0 mA or better
   Automatic dose rate regulation : with KV and mA Control
   Time totaliser for fluoroscopy :

Radiography output : 40-120 KV or more in one KV steps

mAs range : 250 mAs or better

mA max : 65 mA or better

Foot switch with functional switches for fluoroscopy, pulsed fluoroscopy and snap shot fluoroscopy. Does area chamber for dose measuring with printer.

7. **Image Memory:** At least one (LIH) Minimum 48 frame or more digital memory with minimum 512 x 512 matrix or better. Alphanumeric keyboard facility to store images on hard disk.
8. **Essential Accessories:**- The complete functional system must be quoted with coat type lead light weight aprons (6 nos. / Thyroid cover 6 each / Lead goggles (6) each, Gonodal shields (06) Compatible CVT (Constant Voltage transformer)

   Spare set of Fuses

   Operating and service manuals

   Sterile drapes – 2 sets

   Testing Board – 2 pc

   Thermal Printer with 5 rolls of thermal paper

   Laser torgetting device

   Semi Automatic multi format camera (01 No)

General: The manufacturer should have ISO 9001/9002 & CE certified/IE 601 & BARC approval wherever applicable.

Item No 86

Pneumatic Drill with Saw & Reamer

- 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, AO large and Jacobs chuck couplings.
- Should have 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 to be used with Bur attachment.
- Radiolucent drive attachment
- Quick Coupling for K-wire (.6 to3.2mm)
- The speed of dedicated Oscillating Saw should be more 13500CPM 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 12000 osc/cycles per minute.
- The hose length should be minimum 5 mts.
- 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.
- Should be US FDA Approved.

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 functoning 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 functoning 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 functoning 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.

Section – X
TENDER FORM

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

(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	
Item Sl. No.	Brief Description of Goods (with make & model)	Country of Origin	Quantity (Nos.)	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)	(f)	(g)	(h)	(i)	=(e)	=(b+f+g+h+i)

** 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_____

Place:_____

Signature of Tenderer_____

Date:_____

Seal of Tenderer_____

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)]
			1st	2nd	3rd	4th	5th	
			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

Item Sl. No.	BRIEF TURNKEY DESCRIPTION OF GOODS	CONSIGNEE CODE	Turnkey price

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.

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

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)]
			1st	2nd	3rd	4th	5th	
			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 vacummatic 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: _____

SECTION – XVII

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The following store (s) has/have been received on said to contain basis 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) No of cartons received which are said:

Which are said to contain the items (List of items in each carton to be given.)

:_____

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
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: TRANSCHART, 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, EGYPY

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: TRANSCHART, 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: TRANSCHART, 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: TRANSCHART, 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: TRANSCHART, 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: TRANSCHART, 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 an 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 Manufacturer's Proforma Invoice for the price quoted in the Price Schedule?			
17	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?			
18.	Have you submitted copy of the order(s) against the above end user certificate (s)?			

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
19.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

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.

(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 address

Sl. No.	Consignee Code	Consignee Name & Address
1	Andheri	Medical Superintendent ESI Hospital Central Road, Near Marol Bus Stand Andheri (E), Mumbai – 400 093 Ph: 022-28367206
2	Baddi	Medical Superintendent ESIC Hospital Baddi, Himachal Pradesh
3	Bandel	The Medical Superintendent ESI Hospital Bandel, West Bengal. Tel/Fax : 033-22364432
4	Bapunagar	Medical Superintendent ESIC Hospital Bapunagar, Ahmedabad Ph: (079) 22743935, 22745770, 22741866
5	Basaidarapur	Medical Superintendent ESI Hospital Ring Road, Basaidarapur New Delhi - 110 015 Ph: 011-25100664
6	Bhiwadi	Medical Superintendent ESIC Hospital Bhiwadi, Rajasthan
7	Chandigarh	Medical Superintendent ESIC Model Hospital Industrial Area, Phase-II Ram Darbar, Chandigarh-160002
8	Ezhukone	Medical Superintendent, ESIC Hospital, Ezhukone, Kollam, Kerala - 691 505. Tel: 0474-2522454/2529380; Fax: 0474-2529294
9	Gurgaon	Medical Superintendent ESIC Model Hospital, Sector – 9 A, Gurgaon (Haryana)
10	Jhilmil	Medical Superintendent I.G.E.S.I HOSPITAL, Jhilmil Delhi- 110095 Tel: 011-22151329
11	K.K.Nagar	The Medical Superintendent, ESIC Hospital, K.K. Nagar, Ashok Pillar Road, Chennai - 600 078. Tel: 24892171; Fax: 044-24891094.

Sl. No.	Consignee Code	Consignee Name & Address
12	Ludhiana	Medical Superintendent ESIC Hospital Ludhiana, Punjab
13	Manesar	Medical Superintendent ESIC Model Hospital Manesar, Haryana
14	Manicktala	Medical Superintendent ESI Hospital Manicktala, Bagmari Road Kolkata - 700 054
15	Noida	Directorate Medical Noida, ESIC Model Hospital Sector 24,Noida-UP
16	Paripally	Medical Superintendent ESIC Hospital Parippally, Kollam, Kerala -691574 Ph: 0474–2575070, 2572052, 2575058, 2575059 Fax: 0474-2575050
17	Peenya	Medical Superintendent ESIC Hospital, Peenya, Bangalore-58
18	Rajajinagar	Medical Superintendent ESIC Model Hospital Rajajinagar, Bangalore-560 010 Ph: 080-2332 0271/72
19	Rohini	Medical Superintendent ESI Hospital Sector - 15, Rohini New Delhi - 110 085
20	Tirunelveli	Medical Superintendent ESIC Hospital Tirunelveli, Tamilnadu Ph: (0462) 2332105, 2332106, 2332107
21	Tirupati	Medical Superintendent, ESI Hospital, Tirupati, Andhra Pradesh. Tel: 0877-2242967

NB: The purchaser/consignee will ensure timely issue of CDEC, Octroi Exemption Certificates, Road Permits & Entry Tax Exemption Certificates, wherever applicable, to the suppliers.