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-43/10-11

BY

HLL Lifecare Limited

(A GOVT. OF INDIA ENTERPRISE & Formerly HINDUSTAN LATEX LTD.)
Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India
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SECTION I

NOTICE INVITING TENDERS (NIT)

HLL LIFECARE LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India
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Tender Enquiry No. HLL/PCD/ESIC-43/10-11 **Date:12.01.2011**

Procurement & Consultancy Services Division of HLL Lifecare Limited (Formerly Hindustan Latex Limited), for and on behalf of Director General of Employee State Insurance Corporation (ESIC), invites sealed tenders, from eligible and qualified tenderers for supply of following Medical Equipment to ESIC-PGIMSR MGM Hospital, Parel, Mumbai and ESI Model Hospital Cum ODC, Andheri, Mumbai.

Sl No	Short Description of Item	Quantity (Nos.)	EMD (Rs.)
1	Audiometer	2	24,000
2	Auto Kerato Refractometer	1	16,000
3	Autoclave	1	30,000
4	Baby Warmer	4	6,000
5	Blood Collection Monitor	2	12,000
6	Burrhole set	1	24,000
7	C-Arm compatible OT Table	2	1,60,000
8	Cell Separator	2	40,000
9	Change Locker - 6 unit	30	24,000
10	Cryosurgical Unit for Gyane Use	2	36,000
11	Dangerous drug cabinet	10	80,000
12	Dental Panoramic X-Ray	1	30,000
13	Donor Chairs	2	24,000
14	Electrocautery LLEEP	2	24,000
15	Elisa Reader with washer	1	10,000
16	Fetal monitor	3	24,000
17	Haemodialysis machine	2	40,000
18	Hi speed steam Flash Sterilizer	2	40,000
19	Holter system	2	48,000
20	Impedence audiometer	1	20,000
21	Incubator (Lab)	2	8,000
22	Infant Resuscitator	2	16,000
23	Lasik laser	1	4,00,000
24	Lensometer	1	2,000
25	Ophthalmoscope-Direct	2	2,000

Sl No	Short Description of Item	Quantity (Nos.)	EMD (Rs.)
26	OT table for minor OT	1	12,000
27	Portable Colour Doppler System	1	30,000
28	Stapling device for surgery	2	40,000
29	Steam Sterilizer	2	1,20,000
30	Streak Retinoscope	1	2,000
31	Surgical Diathermy	5	60,000
32	Tissue Processor	2	40,000
33	Tourniquet - Automatic electronic with hose & cuffs	4	24,000
34	Transport incubator	1	16,000
35	Tuboplasty set	4	16,000
36	Ultrasonic Nebulizer	2	4,000
37	Vaccum Extractor	2	12,000
38	Ventilator BIPAP	6	36,000
39	Video Colposcope	1	12,000
40	Ambulatory Blood Pressure Monitor	1	12,000
41	Fibre optic Brnchoscope for Intubation	1	30,000
42	Warming Blankets(patient warming system)	2	40,000
43	Automated Coagulometer	1	16,000
44	Automated ESR analyzer	2	32,000
45	Portable Spirometer	1	12,000
46	Portable Echocardiography Machine	1	1,00,000
47	Portable Ventilator	4	56,000
48	BIPAP	2	12,000
49	Refrigerated Centrifuge	1	20,000
50	Plasma Expressor	4	12,000
51	Platlet Agitator	1	3,000
52	Platlet Incubator	1	3,000
53	Deep Freezer (-80 degree centigrade)	1	30,000
54	Laminar Air Flow Vertical	2	16,000
55	Biosafety Cabinet	1	16,000
56	CO2 Incubator	1	14,000
57	Indirect Opthalmoscope	1	2,000
58	Microscope Binocular with illumination & photography	1	20,000
59	Electrophoresis & Densitometer	1	10,000
60	Dental X-Ray	1	4,000
61	Intra Oral,Digital Radiography/imaging	1	10,000
62	Embedding machine with cooling station	1	24,000
63	Cell Washer	1	14,000
64	Cytospin	1	6,000
65	EMG	1	16,000
66	Automated 3 Part Cell Counter	1	30,000

2. Tender No.: HLL/PCD/ESIC-43/10-11

Sl No.	Description	Schedule
i.	Dates of sale of tender enquiry document	15.01.2011 to 17.02.02..2011, in all working days, during 10.00 Hrs. to 1400 Hrs. (IST)
ii.	Place of sale of Tender Enquiry Document and receiving of Tenders	HLL Lifecare Limited Procurement & Consultancy Services Divn. B-14A, Sector-62, Noida -201 307
iii.	Cost of Tender Enquiry Document	Rs.3,000.00/USD 75.00
iv.	Pre Tender Meeting Date & Time	**27.01.2011, 1100 Hrs. (IST)**
v.	Pre Tender Meeting Venue	Same as above
vi.	Closing Date & time of receipt of Tender	**18.02.2011,1400 Hrs. (IST)**
vii.	Time and date of opening of Techno-Commercial tenders	18.02.2011, 14.30 Hrs. (IST)

1. 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**.**

2. 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.

3. 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.

4. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above

5. 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.

6. 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.

7. The Tender Enquiry Documents are not transferable.

8. All Tenders must be accompanied by EMD as mentioned against each item. Tenders without EMD shall be rejected.

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

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

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) <u>Price Tender:</u>

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.

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 can not be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector -62, Noida - 201307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

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

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Preliminary Scrutiny of Tenders

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

27.2 Deleted.

27.3 Deleted

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.

27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive and will be summarily ignored;

(i) Tender form as per Section X (signed and stamped) not enclosed
(ii) Tender is unsigned.
(iii) Tender validity is shorter than the required period.
(iv) Required EMD have not been provided.
(v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation as per Format given in Section XIV.
(vi) Tenderer has not agreed to give the required performance security.
(vii) Goods offered are not meeting the tender enquiry specification.
(viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, DDP clause, Delivery period clause, dispute resolution mechanism applicable law.
(ix) Poor/ unsatisfactory past performance.
(x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
(xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
(xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements for the quoted item (s).

28. Deleted

29 Discrepancies in Prices

29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Deleted

34. Comparison of Tenders

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

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

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

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

ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

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

35.3 Deleted

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

38. Purchaser's Right to accept any tender and to reject any or all tenders

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

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

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

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, trade marks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

4. Country of Origin

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

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

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

5. Performance Security

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

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

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

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

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

5.3 In the event of any failure /default of the supplier with or 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

10.1 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 years** from the date of installation and handing over.

15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

16. Assignment

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

17. Sub Contracts

17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.

17.2 Sub contract shall be only for bought out items and sub-assemblies.

17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of contract

18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:

a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
b) Mode of packing,
c) Incidental services to be provided by the supplier

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

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

(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.

23. Liquidated damages

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

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

24. Termination for default

24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate

the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.

24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.

24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

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

26. Force Majeure

26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.

26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.

26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

27. Termination for convenience

27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

27.2 The goods and services that are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:

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

28. Governing language

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

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

30. Resolution of disputes

30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. The jurisdiction for the settlement of disputes will be at New Delhi, India.

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

30.3 Venue of Arbitration: The venue of arbitration shall be New Delhi, India.

31. Applicable Law

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

32. General/ Miscellaneous Clauses

32.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.

32.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

32.3 The Supplier shall notify the Purchaser/Consignee of any material change would impact on performance of its obligations under this Contract.

32.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

32.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.

32.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.

32.7 All claims regarding indemnity shall survive the termination or expiry of the contract

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

For GCC Clause No. 15.8:

After completion of Warranty period Annual Comprehensive Maintenance Contract (CMC) to be quoted as mentioned in General Technical specifications Section VII (Para-4) for all the items except for Items Sl. No. 28 & 35.

SECTION - VI

LIST OF REQUIREMENTS

Part I:

Sl No	Short Description of Item	MGM	Andheri	Total Qty. (Nos.)
1	Audiometer	1	1	2
2	Auto Kerato Refractometer	1		1
3	Autoclave	1		1
4	Baby Warmer	4		4
5	Blood Collection Monitor	2		2
6	Burrhole set	1		1
7	C-Arm compatible OT Table	1	1	2
8	Cell Separator	1	1	2
9	Change Locker - 6unit	30		30
10	Cryosurgical Unit for Gyane Use	1	1	2
11	Dangerous drug cabinet	10		10
12	Dental Panoramic X-Ray	1		1
13	Donor Chairs	2		2
14	Electrocautery LLEEP	1	1	2
15	Elisa Reader with washer	1		1
16	Fetal monitor	2	1	3
17	Haemodialysis machine	1	1	2
18	Hi speed steam Flash Sterilizer	1	1	2
19	Holter system	1	1	2
20	Impedence audiometer	1		1
21	Incubator (Lab)	2		2
22	Infant Resuscitator	2		2
23	Lasik laser	1		1
24	Lensometer	1		1
25	Ophthalmoscope-Direct	2		2
26	OT table for minor OT	1		1
27	Portable Colour Doppler System	1		1
28	Stapling device for surgery	2		2
29	Steam Sterilizer	2		2
30	Streak Retinoscope	1		1
31	Surgical Diathermy	5		5
32	Tissue Processor	1	1	2
33	Tourniquet - Automatic electronic with hose & cuffs	2	2	4
34	Transport incubator	1		1
35	Tuboplasty set	2	2	4
36	Ultrasonic Nebulizer	2		2
37	Vaccum Extractor	1	1	2
38	Ventilator BIPAP	6		6
39	Video Colposcope		1	1
40	Ambulatory Blood Pressure Monitor		1	1
41	Fibre optic Brnchoscope for Intubation		1	1
42	Warming Blankets(patient warming system)		2	2
43	Automated Coagulometer		1	1
44	Automated ESR analyzer		2	2
45	Portable Spirometer		1	1

Sl No	Short Description of Item	MGM	Andheri	Total Qty. (Nos.)
46	Portable Echocardiography Machine		1	1
47	Portable Ventilator		4	4
48	BIPAP		2	2
49	Refrigerated Centrifuge		1	1
50	Plasma Expressor		4	4
51	Platlet Agitator		1	1
52	Platlet Incubator		1	1
53	Deep Freezer (-80 degree centigrade)		1	1
54	Laminar Air Flow Vertical		2	2
55	Biosafety Cabinet		1	1
56	CO2 Incubator		1	1
57	Indirect Opthalmoscope		1	1
58	Microscope Binocular with illumination & photography		1	1
59	Electrophoresis & Densitometer		1	1
60	Dental X-Ray		1	1
61	Intra Oral,Digital Radiography/imaging		1	1
62	Embedding machine with cooling station		1	1
63	Cell Washer		1	1
64	Cytospin		1	1
65	EMG		1	1
66	Automated 3 Part Cell Counter		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 earliest delivery period).

b) **For Imported goods directly from abroad:**
Within **90 days** from date of opening of L/C. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

a) **For Indigenous goods or for imported goods if supplied from India:**
Delivery required at Consignee Site.
Insurance (local transportation and storage) would be borne by the Supplier from warehouse to the consignee site for a period including 3 months beyond date of delivery

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

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

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

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

c) **Destination/Consignee details are given in Section XXI**

Part VII:

Inspection:

a) **For Indigenous goods or for imported goods if supplied from India:**
At consignee site by the respective In-charge of the Hospital or his authorised representative.

b) **For Imported goods directly from abroad:**
Pre-despatch inspection at manufacturer's premises as per GCC clause 8.8 and inspection after arrival in India at consignee site by the respective In-charge of the Hospital or his authorised representative.

Section – VII
Technical Specifications

Item No. 1

AUDIOMETER

• Two channel audiometer for clinical use interface with sound proof room with complete accessories to insure complete functionally
Specifications:
• Input: Tone, microphone 1&2 Tape/CD 1&2, NB, WN, SN
• Output: Left, right, bone, L&R, free-field, insert phones, High frequency phones
Frequency range
• Air conduction : 125 to 12000 Hz
• High frequency : 8000 to 20000 Hz
• Bone conduction : 250 to 8000 Hz
• Sound field : 250 to 12000 Hz
• Insert : 125 to 6000 Hz
• U-V meter : Two independent U-V meters one for Ch. 1 and 1 for Ch.2 speech
• Microphone : For live voice testing and communication
• Speech score counter
• External A and external B: To accept recorded speech material from external stereo tap cassette or CD player
• Talk forward, talk back and monitoring facilities
• Signal format
• Steady : Tone continuously present.
• Pulsed : Tone pulsed 200 mses ON, 200 msec OFF
• FM : Tone modulated +/- 5% of center frequency at rate of 5Hz
• With signal processing software and patient management software to be supplied with PC and manual
• All accessories for all above facilities to be included.
Airbone Or Tree Field
Pure, Pulsed Or Warble Tones
Frequency : 125 Hz 20 Khz
Bone Frequency : 250 Hz To 8 Khz
Attenuation : 1dB Step Resolution
To be able to Procees All Type Of Test Including S.I.S.I. Ablb , Stenger, Rainville, Dli, Auto Thresh Hold, Tone Decay, Mcl/Ucl, Dlf, Mlb
Built In Thermal Printer .
Should be regularly calibrated in warranty and contract period as per manufacturer's recommendations. (pl mention the frequency of calibrations as mentioned in operation or service Manual

Item No. 2

AUTO – KERATO REFRACTOMETER

(COMPOSITE UNIT)

Objective Refrectometer mode	
Sphere	- 25 + 22 D in 0.25 D step (0.12 D step available)
Cylinder	0 to ± 8 D in step 0.25 D (0.12 D step available)
Axis	1 to 180 in 1 and 5 step
Minimum pupil diameter	2.0 mm
Method of relaxation	Automatic fogging
Chart for objective testing	Scenic picture
Cornial curvature mode	
Cornial curvature radius	0.01 mm
Refrection index	1.3375
Corneal refrection	67.5 D – 33.75 D
Corneal astigmation	0.12/0.25D
Corneal astigmation axial angle	1 – 180
Measuring area	3 mm with 7.7 mm radius
Measuring step	
Corneal curvature radius	0.01 mm
Cornial refrection	0.12/0.25 D
Corneal astigmation	0.12/0.25 D
Corneal axis angel	1 / 5
Others	
PD measurement	85 mm maxi in 1 mm step
Measuring start	Auto start and manual
Corneal diameter measurement	Yes
Pupil diameter	Range 2 – 13 mm/step 0.25 mm
Measurement display	TV monitor screen
Measurement recording	Built in printer (upto 10 measurements each eye can be stored in memory)
Alignment	Screen Display
Vertex distance	0, 12.0 & 13.75 mm (selective)
Energy saving	Automatic switch off when left unused after 10 min
IOL	Special IOL switch to adjust to circumstances of IOL wearers
Power supply	100, 120, 220, 240 V
Output	RS – 232 C

The following requirements must be met.

Refractive power :- -18d to + 18 d (sph.)

- 8d to + 8 d (cyl)

Keratometery power : k1, k2: 5.5 to 10 mm

cyl: -10d to + 10d

ax: 0 to 180 degree

Minimum pupil diameter : 2.9 mm

Printed data : refractive power

corneal curvature

i.p.d

c.l.data

Motorized instrument stand

Practice eye

Contact lens holder.

Item No 3
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. 4

BABY WARMER

Infant 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 Options • Phototherapy lights • Resuscitation equipment packages • X-Ray cassette holder	
Item No 5	
Blood Collection Monitor	
Blood Collection Monitor is a compact instrument to provide smooth and gentle rocking for homogeneous mixing with anticoagulant without clot formation of blood cells during collection of blood from a donor.	
Should have following Features :	
Provision to set Volume from 1 ml - 600 ml; in 1 ml. increment.	
Provision of pausing collection and change.	
Micro-controller based program, which can be programmed during “pause”.	
Display of weight and volume.	
Should have Auto tare facility.	
Should have Motor activated clamping at the end of the collection.	
Should have Audio - Visual alarms.	
Should have Auto Calibration.	
Should have Time totaliser.	
Technical Specification	
Readability 1 ml / 1 g.	

Calibration Auto	
Display - Bright LED / LCD	
Alarms - Audio- Visual	
Input Voltage - 90-270V AC (SMPS).	
Battery Backup - 4 to 5Hrs.	

Item No 6	
BURR HOLE SET	
MAIER POLYPUS FORCEPS, WITH RATCHET, CVD 2	
BACKHAUS TOWEL HOLDING FORCEPS, 110MM, 6	
TOWEL CLAMP, 115 MM LENGTH 6	
SCALPEL HANDLE, NO. 4 2	
SCALPEL HANDLE, NO. 3 1	
DISSECT.SCISS.,METZENBAUM,145MM,CVD.DURO 1	
DUROTIP DISS.SCISSORS,TOENNISADSON,175MM 1	
JAMISON SCISSORS, SLIGHTLY CVD 1	
DUROTIP DISS.SCISS.,MAYO-LEXER,CVD,165MM 1	
OP. SCISSORS, STR., BL/SH, 145 MM, S 1	
DISSECTING FORCEPS, SLEND. PATT., 145 MM 1	
TISSUE FORCEPS, STD. PATT.,1X2 T.,145 MM 2	
TISSUE FORCEPS, 1X2 T.,200MM MEDIUM SIZE 2	
GERALD BRAIN FORCEPS, 1X2 TEETH, 175 MM 1	
FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.150MM 2	
FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.200MM 2	
GRUENWALD FORCEPS,BAYON.SHAPE, 8" 2	
DANDY ARTERY FORCEPS,CVD, SIDEWAYS,140MM 16	
HALSTED MOSQUITO FORCEPS, CURVED, 125MM 6	
KOCHER HAEMOSTATIC FORCEPS, STR., 160 MM 2	
DUROGRIP CRILE NEEDLE HOLDER, 150 MM 2	
DUROGRIP HEGAR-MAYO NEEDLE HOLDER, 185MM 2	
VOLKMANN RETRACTOR, SEMI-SHARP,4-PRONGED 2	
ADSON-BABY RETRACTOR, W JOINT, 140 MM 1	
MOLLISON WOUND RETRACTOR, 155 MM 1	
FINE SKIN RETRACTOR GILLIES,180MM, SMALL 2	
NERVE HOOK, ADSON, SHARP 2	
CUSHING NERVE HOOK, PROBE POINTED, SMALL 1	
DAVIS DISSECTOR, DOUBLE ENDED, 245 MM 1	
FREER ELEVATOR, SHARP/BLUNT,185MM 1	
FERGUSSON SUCT.CANN,D:2,5MM,WORK.L.110MM 1	
FERGUSSON SUCT.CANN,D:3,0MM,WORK.L.110MM 1	
FERGUSSON SUCT.CANN,D:4,0MM,WORK.L.110MM 1	
YASARGIL DISSECT.W.FLEXIB.SHAFT,F.CHILD. 1	
RANEY SCALP HEMOST. CLIP, PACK OF 25PCS. 1	

RANEY APPLYING AND REMOVING FORCEPS 2	
SCALP FLAP RETRAC.,YASARGIL, SMALL PATT. 2	
BRAIN SPATULA, CONVEX, 7 AND 9 MM 1	
LANGENBECK RASPATORY, STRAIGHT 1	
WILLIGER RASPATORY,160MM LONG,6,0MM WIDE 1	
JOSEPH RASPATORY, SHARP, 160 MM 1	
VOLKMANN SPOON, SHARP, SIZE 000 1	
BEYER BONE RONGEUR, 180 MM 1	
INTERIOR BOX FOR BL 930 1	
LABORATORY DISH, 0.16 L 1	
LABORATORY DISH, 0.4 L 1	
KIDNEY TRAY, 250 MM 1	

Item No 7	
C-ARM COMPATIBLE ELECTRO HYDRAULIC OT TABLE	
1 description of function	
1.1 electro-hydraulic operation table suitable for all surgical operations	
2 operational requirement	
2.1 the radiolucent/c-arm compatible four section table top with provision for xX-ray cassette with anti bacterial, anti static and fluid proof mattress to avoid bed sores.	
2.2 high storage capacity battery back up to support 50 operation cycles.	
2.3 patient carrying capacity should be more than 400 kgs.	
2.4 all the functions of the table should be operated via corded hand control or optionally with infrared hand control	
a) hight up/down	
b) trendelenburg/reverse trendelenburg	
c) lateral tilt	
d) flex/reflex	
e) lock/unlock	
f) back up/down	
g) leg up/down	
h) kidney elevator up/down	
i) beach chair position	
j) return to normal/zero position	
k) patient reverse orientation to be locked in memory	
2.5 the table should have the facility to position on a single press button, the patient from any of the sides and the reverse orientation has to be locked into the memory to enable all the table functions to be reversed automatically.	

2.6 in addition to and in case of failure of the electronic hand control, the table should be provided with override control panel on the column of the table to operate the required positions in care of emergency.	
2.7 in case of failure of the electronic hand control, electronic override control panel and also the battery back up in extreme emergency, the table should be provided with manual foot pump to operate all the required positions.	
2.8 the table top should be completely free of disturbing cross bar offering generous latitude for using c-arm image intensifier as well as to provide enough leg room for the surgeons and to cover the patient's body from head to pelvic region with patient orientation on either side.	
2.9 the column head and the base of the table should be y Y shaped made of chemical and impact resistance engineering plastic cover for easy cleaning and infection control.	
2.10 there should be no crevices in the table for ingress of liquids so as to enable proper infection control	
3 technical specification	
3.1 dimensions	
table top length 1950mm.	
width without side rails 530mm.	
weight of the table should be above 300 kgs.	
3.2 electro hydraulically operated functions:	
height up/down 1120 to 680mm	
trendelenburg 30 deg.	
reverse trendeleburg 30 deg.	
lateral tilt 20 deg.	
back up/down 65 and 40 deg.	
leg up/down 80 and 105 deg.	
head up/down 90 deg.(manual)	
inbuilt powered kidney elevator up 0 to 12cm.	
flex/reflex normal 220/120 deg.	
flex/reflex reverse orientation 245/110 deg.	
single button operated beach chair position.	
memory locking of reverse orientation position.	
single button operated return to zero position.	
lock and unlock of the table by hand control.	
3.2 full length xX-ray translucent top with removable interchangeable head rest for positioning the patient in reverse orientation	
3.4 inbuilt xX-ray translucent powered kidney bridge.	
3.5 the powered locking and unlocking of the table base via hand control.	
3.6 the table top should provide unhindered access from head to pelvic section in both the normal and reverse orientation.	
3.7 to accommodate heavy / obese patients, width extension facility of the table top is to be	
provided.	
3.8 the table top should have a length of 1950mm.	
3.9 the table should offer minimum height of 680mm enabling the surgeons to operate while in seated position	

3.10 the table should have powered leg section which should be lowered to 105 deg. To have free access for the surgeons to the pelvic region for gynaec, uro, gastro and orthopaedic surgeries.	
4. Standard accessories,	
4.1 anaesthesia screen	
4.2 body strap	
4.3 pair of goepel knee crutches with clamps.	
4.4 pair of arm boards.	
5. Special accessories	
5.1 gel heel pads – 1 pair	
5.2 patient positioning gel strap – 1 no.	
5.3 hand surgery table – 1 no.	
5.4 drain pan for gynaec/uro – 1 no.	
5.5 elevated arm board – 1 no.	
5.6 lateral support with clamps – 2 nos.	
5.7 shoulder support with pads – 2 nos.	
5.8 orthopaedic extension device to be attached to the table top	
The table should be compatible for use with orthopaedic extension device, trolley mounted consisting of:	
1. Transfer board 01	
2. Boots plate 02	
3. Foot traction boots 02	
4. Traction bow 01	
5. Traction bar 02	
6. Traction unit 02	
7. Traction rail 02	
8. Adaptor unit 01	
9. Straight traction extension 01	
10. L shaped traction extension 01	
11. Supports 01	
12. Trolley 01	
Femur nailing in supine	
13. Perineal post with pad 01	
Femur nailing in lateral	
14. Universal leg holder 01	
15. Hip rest with pad 01	
16. Elevator 01	
17. Pelvic crest support 01	
18. Lateral counter traction support 01	
Tibia & fibula nailing	
19. Tibia counter traction with pad 01	
20. Condyle support 01	
Hip endoprothesis	
21. Sacral rest with pad 01	
22. Back buttock support 01	
23. Lateral supports 01	
For knee elbow position	
24. Foot rest left and right (pair) 01	
6 environment factors	
6.1 shall meet iecIEC-60601-1-2: 2001	

6.2 en EN 60601-1-1990 electrical safety	
6.3 iec IEC tr TR 60878:2003	
6.4 medical device directive 93/42/eecEEC	
6.5 iso ISO & ceCE	
7. Power supply	
7.1 power input to be 220-240vac240V AC, 50hz 50Hz fitted with indian plug	
7.2 voltage corrector/stabilizer of appropriate ratings meting isi ISIspecifications. (input 160-260 v V and output 220-240 v V and 50 hzHz)	
8. Standards, safety and training	
8.1 to be isoISO/ceCE/ul UL approved product	
8.2 to have current leakage less than 70 u/a U/A ac AC (0.07m ampAmp).	
8.3 quality tests as per international standards to be carried out at manufacturing facility.	
9 documentation	
9.1 user/technical/ maintenance manuals to be supplied	
9.2 certificate of calibration and inspection from the manufacturer	

Item No. 8

Cell Separator

Cell separator for carrying out apheresis procedures such as single donor platelets, stem cell collection, etc.
Ensures highest standards of donor safety during any apheresis procedure with the help of unique features such as 5 time inlet occlussion restart, air detector in the return line, customized ACD control, adjustable flow rates for draw & return, volume measurement, cuff & prompt control & low ECV.
Micrprocessor controlled, fully automatic separator with beautifully designed user interface and easy access touch screen, provides flexibility to operator for deciding the optimum quality products based on the donor information.
Continuous flow separation device which allows shortest collection time. For single needle (Avg 40-50min), for double needle (Avg 35-45min).
Utilizes a unique technology defined as 'Auto-Elutriation', that allows the instrument to maintain a constant HCT level of 35%, contributing to highest efficiency in case of plt collection >=70% (among all other cell separators). For stem cell also, the efficiency is (for CD34 cells)>=65%.
Flexibility to blood bank, for carrying out single arm or double arm apheresis procedure, suitable to most of the donors thus avoids rejection.
Weight scale measurement to monitor each volume of blood components being collected and solutions being used during the procedure, hence adding to donor safety and consistency for quality products.
Leucoreduction for all platlet products to the range of <5X10E6, with the help of separation chamber design, 'Auto-elutriation' technique and dual stage centrifugation.
Maintaines one of the lowest extra corporeal volumes (ECV) of about 200ml during each apheresis procedure (For DN-205ml, SN-209ml), ensuring donor safety. Also interface detection is inside the centrifuge compartment itself adding to short collection time. Also, RBC recovery is maximum during any apheresis procedure.
Has an inbuilt controlled feature of Cuff pressure & Prompt control to support the adequate blood flow during the aphaeresis procedure, adding to short collection time.

Has a beautifully designed 'Yield Estimator', helps in deciding and optimizing the product volume (storage fluid), yield, collection time, based on the donor information. Also, it helps operator to understand the post count, post hematocrit for the donor, contributing to donor safety and avoiding rejection.
Storing the last 30 procedure information such as Targeted yield, storage fluid volume, collection time, solution volumes used, etc. These procedures reports can be downloaded through an acquisition network system to a host computer.
10min battery backup to support the memory of the procedure, in case of power failure. The same allows the operator to restart the procedure during power loss from the same point where it halted.
Automatic disposable kit installation check, before prime to identify any errors and avoid wastage of same kit.
Peripheral Blood Stem cell (PBSC) or Mononuclear Cell (MNC) collection is fully automatic and double arm procedure, contributing to donor safety and short collection time.
Options available to collect double dosage, triple dosage of Plt Products & multiple components such as concurrent plasma and concurrent red cell in a single procedure.
Option to use Platelet additive solution (PAS) as a replacement of plasma for storage, to ensure minimized immunomodulation of patients.
Disposable kit set is primed with the help of both saline and ACD before the start of each procedure, to ensure kit sterility & functionality, adding to donor safety.
During each procedure, if any alarm conditions occurs, help menu is available on the display to guide the operator for resolving the same alarm.
Barcode reader option also available on request, allowing complete registration of procedure information to the machine. The same information is transferable to host computer through data acquisition software.
Electrical Requirements- Input voltage supply is single phase, 180-240VAC, 50-60 Hz. UPS of 2KVA with 10-15min backup recommended for smooth and continuous procedure.
Operating temperature range of 15.5-32.2 deg celsius, with relative humidity of 0-85%.

Item No. 9

Change Locker-6Units

CHANGING CABINET

All parts are welded and screwed structure and sole are of cold milled steel. The swing doors shall be complete double faced such as to make them rigid and non-deformable and cupboard shall be fitted with protection foot capping in nylon or the like. The cabinet shall be constructed of 6 Nos. cabinets and adjustable shelf for each cabinet with attachments for combination lock. Size – 100 × 35 × 180 cm.

Item No. 10

CRYOSURGIAL UNIT WITH CONSOLE SYSTEM (FOR GYNAE USE)

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 indicator
6. Probes Tips: Exo Cervical, Endo Exo Endo cervical and long Endo Exo Cervial, HPV, Flat and Round in different sizes and shapes.
7. System high quality and reliability.

Item No. 11

DANGEROUS DRUGS CABINET

- Wall mounted or fixed
- Heavy steel sheet with lock in accordance with misuse of drugs regulation built-in audible alarm with battery back-up adjustable shelf
- Dimension (WxDxH): 800 x 400 x 1000 mm (approx)

Item No 12

DENTAL PANORAMIC X-RAY UNIT

Panoramic x-ray system for dental exams and temporo mandibular joint (tmj with panoramic program, facial bone program, maxillary sinus program, dental program, tmj program)

The system shall comprise of:

- Vertical frame and mobile head positioner
- One set of lanex or equivalent regular intensifying screen
- Motorized x-ray tube arm holder
- Master control system
- Shall display 4 tmj views on single film
- Kv range: from 60 to 100 kvp continuously, variable.
- Low radiation dose with good image quality, with computerized operator's guide and shall be with pc and programs.
- Shall expose in either direction

- Panoramic cassettes package of four. Fixed patient chair.
- 25 plastic bite guides
- 3 point head positioning system
- Cephalometric attachment with b4 cassettes.

Item No 13	
Donor Chairs	
1. **Description of Function**	
Blood Donor Couch is a completely automatic enveloping, variable tilt chair and specially designed to make blood withdrawals easier, safe and functional, and also for other diagnostic and therapeutic areas	
2. **Operational Requirements**	
1) Provides a comfortable position for the donor.	
2) Variable positioning for either arm with Comfortably wide armrests.	
3) Armrests have swinging out as well as up and down moving facility.	
4) Reclining and upright body positions with a smooth shifting to any position.	
5) Both sides have supporting brackets.	
6) Drawers provided for the upkeep of equipment & consumables.	
7) If a vasovagal attack occurs the Donor's head needs to be lowered immediately and his legs lifted above his heart level so that blood can flow back to the brain and other vital organs. This facility should be available	
3. **Technical Specifications**	
3.1 Comfortable chair type with soft padding for cushioning and rexin cover.	
3.2 Seat, back rest and leg rest size designed for donor comfort. It should have step less electric remote controlled height adjustment.	
3.3 Adjustable arm rest for donor’s comfort and phlebotomist friendly	
3.4 Easily tilted to head low position, electrically operated	
3.5 Comfortable working level for the operator. Lifting capacity - Approx 200 kg.	
3.6 4 Lockable castors for easy mobility	
3.7 Storage Drawers for storing consumables & Blood Collection Monitors	
3.8 UP/DOWN control	

3.9 OPTIONS:	
(i). A paper roll holder can be fixed on the' upper part of the chair.	
(ii). Melodious musical Headphone can be integrated for patient relaxation while blood donation is in progress.	
(iii). Preferable to have inbuilt trays & stands for keeping all blood collection accessories.	
3.10 Should have interface for blood collection monitor (optional)	
4. **System Configuration Accessories, spares and consumables**	
4.1 Donor Couch -01	
4.2 Dust Cover -01	
4.3 Power cable -01	
4.4 Arm Rests (pair) -01 pair	
4.5 Remote control -01	
5. **Environmental factors**	
5.1 The unit shall be capable of operating continuously in ambient temperature of 10 – 40^0 C and relative humidity of 15-90%	
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 - 40 C and relative humidity of 15-90%	
5.3 Shall meet IEC-60601-1-2: 2001 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.	
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 Resettable over current breaker shall be fitted for protection	
6.3 Suitable Servo controlled Stabilizer/CVT	
7. **Standards and Safety**	
7.1 Should be FDA or CE approved product	
7.2 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450	
7.3 Manufacturer should have ISO certification for quality standards.	
7.4 All electrical actuators and mechanisms should be housed inside the structure making the product safer	
7.5 Comprehensive warranty for 2 years and 5 years AMC after warranty	
8. **Documentation**	
8.1 User manual in English	
8.2 Service manual in English	
8.3 List of important spare parts and accessories with their part number and costing.	
8.4 Certificate of Calibration and inspection from the factory	
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 List of Equipments available for providing calibration and routine maintenance	

support as per manufacturer documentation in service / technical manual.	
8.7 Original Information Brochure should be provided.	

Item No. 14

ELECTRO CAUTERY LLEEP

High frequency blended output to excise cone of cervix with minimum depth of necrosis and bloodless for Histopathology.
Monopolar with Energy park system with one Blend Mode:
Cut mode for under water cutting with to mechanism to eliminate leg in initiating cut suitable for related uro- logical procedures.
Blend modes (3 nos) each suitable for G. I procedure (1.8 or 2Crast Factor)/ LLETEZ&LEEP procedure (2.0 Crast Factor) and laproscopic procedure (2.4 Crast Factor)
Two change mode with high crast factor.
1. Low Voltage coagulation for laparoscopic/ Delicate tissue (6.4/6/6.5 Crast Factor)
2. Non-contact large tissue area coagulation with minimum of necrosis to fulgurate cervical bed with ball electrode (8.0 Crast Factor)
Bipolar with a self limiting system in two modes:
a) For delicate tissue work by controlled desiccation with out charring (1.5 Crest Factor)
b) For micro bipolar cutting instruments suitable for LAVH procedure and high pressure vessel sealing with ligation- sure artery forcep/ bipolar needle ablation (1.5 Crest Factor)
Safety features:
Patient-to-Patient plate quality and quantity monitoring system and isolated RF output for reducing risk of alternate site burns
Independent site burms
Class 2 leakage canceling
Operating system:
Separate bipolar control and footswitch with auto selectivity
2 Hand switching Monopolar output
1 hand switching bipolar output
Up gradable for Argon beam coagulator
Standard Accessories;
i. Hard switching pencil,
ii. Chuck handles ,
iii. Stainless Steel patient plate with cord,
iv. Foot switching bipolar forceps with Cord,
v. Trolley,
vi. Monopolar Footswitch,
vii. Bipolar Foot switch,
viii. Insulated speculum with smoke Evaculation port
Additional requirement:
Smoke Evaculation system-should be Ergonomically designed, compact variable speed two stage smoke filtration and low noise system
Speculum with fiber optic attachments patient to Patient plate monitoring
LEEP Autoclable insulated Endo plate with cord cervical spetula
LEEP Autoclavable insulated Tenaculum
Safety certificate (IEC) shall be produced along with supply.

Item No. 15

ELISA READER with washer

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 690 nm
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 not less than 300 plates/curves
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.
3 .7 Technical Specifications for washer
3.1 Auto strip washer for 96 well plates / strips
3.2 1 x 8 strips/ 1x12 strips.
3.3 Dispensable wash volume 50 - 300 µl.
3.3a Residual wash Volume -<0.5µl
3.4 Aerosol Shield for user safety.
3.5 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 System Configuration Accessories, spares and consumables
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. 16

FETAL MONITOR

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 toco 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
- Audible indications of paper out and NST time complete.

- 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 two 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 transducers
- 1 x external toco transducer
- 1 x ECG module with degl & 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; i.e. in a manner that they should not get faded without being used.)

Item No. 17

Haemodialysis Machine

Machine should have facility for Acetate, Bicarbonate and Sequential dialysis (Isolated UF).

Can be linked with Patient Data Management System and should be up gradable to future software developments

The Hemodialysis Machine should have 20 Minutes Back up in the absence of power for Extra Corporeal Circuit (Screen, BloodPump, Venous & Arterial Pressure) to be monitored during the power failure.

Technical Specifications
Should have facility for conventional and High flux dialysis.

Machine should have bacterial filter (Pyrogen filters) before Dialysate going to dialyser

Should have Na, Bicarbonate and UF profiling (With Individual Programmable Profiling)

Dialysate temperatures selectable between 35 degrees C to 39 deg. C

Variable conductivity setting between 12.8 to 15.7

Should have variable dialysate flow 300 - 800 ml/mt

Heparin pump with syringe 20ml with pump flow rate from 1-10 ml/hr(0.1 ml increments)

Stroke pressure operated short term single needle dialysis (Optional)

Ultrafiltration 0.1 to 4 litres/hr.

Treatment parameter should be displayed by graph and digitally both.

Should have integrated heat (84 Deg C) with Therma, Citric & chemical disinfection facility.

Should have Drain facility

Should have accurate UF control

Online Kt/V should be available as standard Option

Should have automatic self test facility

Should have auto ON/OFF Facility

Easy to service, troubleshoot and calibrate

Blood pump rate from 15-600 ml/min adaptable to all standard A-V blood lines

Ability to monitor pulse rate and NIBP with graphic and tabulated trends.

Audio visual alarms on limit violation of conductivity, blood leak, air leak, transmembrane pressure alarms, Dialysis temperature alarm, dialysis can empty alarm, end of disinfection alarm, bypass alarm and blood pump stop alarm

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

The unit shall be capable of operating in ambient temperature of 10 -40deg C and relative humidity of 15-90%
Power Supply
Power input to be 220-240VAC, 50Hz fitted with Indian plug

Should be CE approved product

Manufacturer/Supplier should have ISO certification for quality standards.

Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part2- particular requirements for the safety of Haemodialysis equipment.

Should have local service facility .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
Documentation

Item No. 18

HI SPEED STEAM FLASH STERILIZER

Alarms for Completion of cycle, over temperature, etc.
The autoclave operates with saturated steam as the sterilizing agent with a temperature range of 105 °C (221°F) to 137 °C (279 °F) and a working pressure that meets AMSE and PED requirements.
Auto clave with single door

Speed
The system should be free standing fast. autoclave. Should come with a jacketed double walled chamber, which acts as an instant supply of steam and keeps the autoclave warm and ready for use.
The powerful water-ring vacuum-pump provides for fast pre and post vacuum air removal
Should sterilize class B cycles - packaged, porous and hollow A loads.
Should be able to manage large loads efficiently with a powerful vacuum pump
Should be able to enhance monitoring for consistent documentation of sterilization results
Should have automatic safety shutoff to prevent overheating of chamber

Double Wall:
Surrounding the chamber there should be a second wall, the jacket. The internal steam generator should fill the jacket with steam when the sterilizer is first started. The jacket then should act as a steam generator and reservoir.
Should minimize the time it takes for each individual cycle to come up to temperature and pressure
Should be built to run continuously for 24 hours
Should have excellent temperature distribution in the chamber
Should have negligible condensation and improves drying
Should have excellent chamber insulation which increases efficiency

Capacity

Should be supplied in 70 Litres .
Should have robust high-volume water-ring vacuum-pump for fast and efficient air-removal
Should have Dual-compartment water reservoirs with automatic filling and discharge:
1.Mineral-free water reservoir for steam
2.Tap water supply for the water-ring vacuum-pump
Connection to water draining and to external mineral-free water supply for automatic draining and filling of water
Stand-by heating mode to keep the autoclave warm and ready to use
316L stainless steel chamber and door with electro-polish finish
Control lock-out switch to prevent starting a cycle if door is not properly locked
Door protection device to prevent door from opening at high pressure and high temperature

Item No. 19

HOLTER SYSTEM

Sl.No	Description of function
	Holter system provides for 24/48 hours and **7 days** of continuous ECG recording and analyzing for detecting heart rate abnormalities which may otherwise go undetected.

Sl.No	Operational requirements
1.	Should be able to record 24/48 hours and 7 days of 3 lead ECG waveforms on small Holter Recorders
2.	Should automatically detect and quantify different ventricular and supraventricular events , including atrial events (atrial fibrillation , isolated prematures , pairs , bigeminy , trigeminy , runs, shorts pauses, long pauses, bradycardia and tachycardia) and ventricular events (isolated ectopics, premature ectopics, interpolated ectopics late ectopics, R on T, bigeminy, trigeminy, couplets, triplets, and runs).

Sl.No	Technical Specifications
3.1	**The system should be PC based with PC Specifications (HP/Compaq / Dell) (1 No Desk top ; 1 No Lap top PC) as following:** **Computer Processor**: Pentium IV; 733 MHz or higher. **Memory**: 512 MB RAM or Higher. **Hard Disk**: 80 GB or higher with at least 5 GB free space. **Floppy disk drive**: 3.5" floppy drive. **CD-ROM / WRITER**: 52x-speed drive or faster. **USB:** Universal Serial Bus port. **Monitor**: Color Super VGA 17" flat monitor capable of displaying 1280 x 1024 resolution. **Printer:** HP LaserJet 2300 or higher. **Slot**: Minimum one free PCI expansion for card reading. **Software**: Windows 2000 Operating System or Higher. Should be supplied with a desktop (1 No) and a lap top computer (1No).
3.2	Should provide continuous 12 Lead ECG capability that allows viewing and printing of a 12 Lead ECG from three channel ECG recording at any time during the 24\48 hour recording. The same recorder should have the capability of having 3 lead ECXG for 7 days
3.3	Should employ multiple analysis modes, including prospective, paging and superimposition, retrospective and a combination of retrospective and prospective modes that analyses normal ECG and isolated abnormals automatically but stops on complex arrhythmia; Holter software should have HRV analysis, HRV time domain analysis, HRV spectral analysis, and QT analysis. Should have integrated ECG data management software.
3.4	Should analyse three leads of ST segments with ST episode reporting and Heart rate variability on time and frequency domain
3.5	Should provide unlimited normal, abnormal, and artefact templates with

automatic classification, template matching and ability to merge \ unmerge on any template.

3.6 Should automatically detect and quantify different ventricular and supraventricular events , including atrial events (atrial fibrillation , isolated prematures , pairs , bigeminy , trigeminy , runs, shorts pauses, long pauses, bradycardia and tachycardia) and ventricular events (isolated ectopics, premature ectopics, interpolated ectopics late ectopics, R on T, bigeminy, trigeminy, couplets, triplets, and runs).

3.7 Should automatically stop on and display arrhythmia patterns , patient diary entries , and ST episodes.

3.8 Should provide a histogram to view all R to R intervals, all normal to normal intervals, all normal to ventricular intervals, all ventricular to normal intervals, and all ventricular to ventricular intervals.

3.9 Should provide QT and Pacemaker analysis

3.10 Should create custom reports templates

3.11 Trend Graphs –HR, RR interval, RR variance, 12-lead ST, SVPB, VPB

3.12 **(III) Recorder specifications :**

1. Should weigh no more than 120 grams with battery and flash memory installed.
2. Should acquire simultaneous three channel ECG with software to convert three channels to 12 lead ECGs in the scanning device.
3. Should come with pacemaker software that automatically removes pacing 65rtefacts and annotates the recording with pacing pulses.
4. Should Store 24 or 48 hours of ECGS with no data compression.
5. Should use only one no AAA alkaline battery to provide up to 48 hours of three channel recording.
6. Should have a LCD display of the patient's ECG during hook up to verify proper electrode application.
7. Should use only 3 leads to record a three channel ECG.
8. Should be water resistant.
9. Should synchronize the recording start and end time with the recorder time clock
10. Should have voice recording to store patient ID
11. Recorder should be tamper proof – i.e., even if the battery or CF is removed accidentally, ECG should continue normally after the battery or CF is replaced.

Sl.No. System Configuration Accessories, spares and consumables

PC with Pentium IV with specified configuration - 01
(original operating system software on CD)
Printer (HP LaserJet 2300 or higher/ equivalent -01
Holter Analyser software -01
Holter Recorders -02
Patient cables -02

The system should contain all the above accessories in Integrated or as separate accessories.

Sl.No Environmental factors

The unit shall be capable of operating continuously in ambient temperature of 10 -40^0 C and relative humidity of 15-90%
The unit shall be capable of being stored continuously in ambient temperature of 0 -50^0 C and relative humidity of 15-90%
Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

Sl.No Power supply

Power input to be 220-240VAC, 50Hz,/440 V 3 Phase as appropriate fitted with Indian plug.
Resettable overcurrent breaker shall be fitted for protection
UPS of suitable rating conforming to IS-302 shall be supplied for computer system

Sl.No Standards and safety

Should be FDA or CE approved product
Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms. (OR EQUIVALENT BIS Standard)

Sl.No	**Documentation**
8.1	User manual in English
8.2	Service manual in English
8.3	List of important spare parts and accessories with their part number and costing.
8.4	Certificate of calibration and inspection from factory.
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
8.6	List of calibration and Preventive maintenance equipments as specified in the Service/Technical Manual. Preventive maintenance has to be provided as per the manufacturer guidelines.

Item No. 20

IMPEDENCE AUDIOMETER

I. Probe frequency 226 hz
II. Pressure range +200 to -400dapa
III. Volume range 0.2 ml to 5.0 ml
IV. Frequencies for testing 500 hz, 1000 hz, 2000 hz, 4000 hz or more
V. Reflexes: inslateral , contra – lateral, intensity 70db to not less than 100db, automatic
VI. Eustachain tube mode pressure range +400 to -400dapa
VII. Lcd screen for display of tympanogram and test results.
VIII. Test programme – reflex test selectable
IX. Probe with built in control lights
X. Should have memory for test results
XI. Should give a print record of test
XII. Should be supplied with following accessories
A) Diagnostic probe

B) Contra phone receiver with head band
C) Ear tip set
D) Mains cable
E) Paper roll for print out
F) Operating manual
XIII. Power supply 230v, 50 /60 hz

Item No. 21

INCUBATOR FOR LAB (160 L)

• GENERAL PURPOSE LABORATORY INCUBATOR
• CAPACITY: 160 LITRES
• TEMPERATURE RANGE: 25º C ABOVE ROOM TEMPERATURE, UP TO 52º C
• RUST PROOF STAINLESS STEEL INTERIOR
• DIGITAL TEMPERATURE DISPLAY
• SAFETY THERMOSTAT FOR OVER TEMPERATURE PROTECTION.
• HI-QUALITY, LONG LASTING HEATER ELEMENTS TO BE USED.
• GLASS INNER DOOR
• ADJUSTABLE FOUR SHELVES
• TEMPERATURE UNIFORMITY 0.1º C
• EXCELLENT ELECTRICAL GROUNDING FOR LEAKAGE CURRENT.
• EARTH CURRENT LEAKAGE INDICATION – AUDIO AND VISUAL.
• SHOULD COMPLY TO GENERAL ELECTRICAL SAFETY STANDARDS

Item No. 22

Infant Resuscitator

Manometer Range: 20 to 80 cm H2O (-20 to 7.8 kPa)
Maximum Pressure relief should be 5 to 70 cm h2O at 8 LPM
Peak inspiratory Pressure (PIP) should be 5 to 70 cm H2O at 8 LPM
Positive-end expiratory pressure PEEP) should be 1 to 9 cm H2O at 8 LPM.
Gas inlet flow range:-
5 LPM (min) to 15 LPM (max) If the gas inlet flow rate increases from 5 to 15 LPM, the peak inspiratory pressure typically increases approximately 8cm H2O (0.8 kPa).
Delivered oxygen Concentration: - Up to 100% depending on gas supply
Operating time (400 L cylinder):- @ 8 LPM 50 minutes
Recommended body weight: - Up to 10 kg (22 lb)
Should be supplied with all related tubing's and consumable (Preferable reusable) for at least 50 cases (application)

Item No. 23

LASIK LASER

BEAM CHARACTERISTICS
Laser Type Quintupled Nd:YAG Solid State Laser
Wavelength, nm 213
Pulse Frequency 300 Hz
Spot Size 0.6 mm
Max. Laser Output Energy 1 mJ
Ablation Zone Up to 10.0 mm
Beam Delivery Quasi Random Flying Spot (Fixed Size)
Spot Profile Quasi Gaussian
Eye Trackers Analogue High Speed Eye Tracker
And Video Eye Tracker
Intra-Operative Gaze Tracker
Automatic Iris / Limbus Registration
Cyclorotation Tracker
Surgery Standard Treatment, Topography & Wavefront Guided
Lighting Ring & Oblique
Focusing Beams 2 x Light Slits
Microscope Suitable microscope customized for viewing
Control Panel Touch Screen
SAFETY FEATURES Safety interlocks, key operation, emergency off switch
COMPUTER SYSTEM Microsoft Windows
Application Training on site to be
included
Yes

Acceptance tests as per international standard should be carried out at manufacturing facility as well as installation site (including all safety and qa tests) and equipment should have ce mark certificate..

Item No. 24

Lensometer

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

Item No. 25

OPHTHALMOSCOPE DIRECT

- Ophthalmoscope, head, monocular with 3.5V krypton bulb, with the following features: Hemi spot, full circular spot, red-free interference filter, test mark with fixation star and polar coordinates, slit.
- Battery handle, for above e3.5V nominal voltage. Rechargeable Ni-Ca cell. Brightness control Rheostat.
- Battery charger, for 3.5V handle, microprocessor control, boost charge/trickle charge modes. Charges 2 handles. Should be combined with Retinoscope.

Item No. 26

O T TABLE FOR MINOR OT

Dimensions:

a) Table top length with headrest 2080mm minimum
b) Width 520mm minimum.
c) Height 700mm to 1040mm

1. The table shall be battery powered with high recharging capacity of approx 50 operations per charge.

2. The table shall be provided with a cable connected hand control box with battery charge indicator.
3. An override manual control on the head-end of the base, to be provided in case of emergency.

a) Head-rest (detachable)
b) Back section
c) Seat section
d) Split Leg section (detachable).

5. The table should have stainless steel base cover.
6. The following adjustments shall be electro-hydraulically operated:-

a) Height 700mm – 1040mm
b) Back section up/down 75 deg./45 deg.
c) Leg section up/down 30 deg/90 deg.
d) Trendelenburg/Reverse trendelenburg 30/30 deg.
e) Tilts left/right 20 deg.
f) Reset to zero position
g) Brake locking/unlocking of the table base.

7. The table shall be provided with the following standard accessories:

a) Arm board with cushion and clamp - 2 Nos.
b) Anaesthesia screen with clamp - 1 No.
c) Body strap
d) Goepel knee crutches - 2 Nos.
e) Radial setting Clamp -2 Nos.

9. Patient Weight Capacity should be more than 225 Kg.
10. The table should be of international standard, i.e. C.E. & ISO

Item No. 27

PORTABLE COLOUR DOPPLER SYSTEM

System should be latest generation state of the art portable color doppler for

Abdominal, vascular, obstetrics & gynecology, musculoskeletal, small parts

Application etc., with suitable evaluation and measurement packages

Features remarks

1. System should be offered with following broad band width transducers:

(i) convex array transducer (frequency range of 2 to 4 mhz) (+/- 1 mhz)

(ii) linear array transducer (frequency range of 4 to 10 mhz) (+/- 1 mhz)

(iii) broad band micro convex transducer (frequency range between 4 to 10 mhz)

(+/- 1 mhz)

(iv) intracavitary transducer (frequency range between 4 to 10 mhz) (+/-1 MHZ)

2. System should have following modes:

2 d, m mode, pulsed wave, continuous wave, color flow imaging & color power angio imaging,

Tissue harmonic imaging should be available atleast in one transducer.

3. Digital processing channels – 60 or more digital channels for high resolution imaging with acquisition rate of at least 50 frames per second

4. Grey scale (min. 256 or more)

5. Broad bandwidth beam former technology transducers for extreme high resolution 2d imaging

6. Extended field of view imaging

7. System should have facility for gain adjustments using slide pot controls.

8. Should have minimum 2 active ports with direct switching from console

9. System should have a high resolution fully articulating non interlaced flicker free, antiglare, flat panel display of 10 inches or more.

10. System should have image management facility with facility for direct storage of images and loops in the hard disk drive and also thumbnail review to view & edit images, loops and also reports

11. Display annotation, patient id display and alpha numeric key board with track ball & provision for reverse, invert facility

12. Complete package for measurement and calculation provision for distance, area, volume & circumference etc.

13. Equipment should be of light weight.

14. Image storage:

Should have inbuilt hard disk for image storage. Specify image storage capacity

15. Image archival:

Inbuilt cd writer/ flash drive with the facility to transfer images

16. Dicom compatible

17. System should have direct connectivity to color laser printer for printing images & report

18. System should have extensive calculation software package for general imaging, ob/gyn & vascular imaging

19. Accessories:

1. B/w thermal printer of latest model (with ce or fda mark)

2. Color laser printer for direct printing of images from the system (with ce or

Fda mark) (min dpi of 1200)

3. Biopsy attachment for the convex, linear & the tv/tr probes

4. Ups of appropriate rating with 60 mins back up; additional to in-built battery back-up of at least 30 min.

20 free software upgrade(s) during the period of warranty/amc.

Item No. 28

Stapling Device for Surgery

PROTACK* 5MM INSTRUMENT – 100 Nos.
ENDO GIA* UNIVERSAL INSTRUMNT
ENDO GIA UNIVERSAL XL
ENDO GIA ROTICULA *60-3.5 SULU
ENDO GIA R/OR 60 4.8MM X6
ROTICULATOR ENDO GIA*45-4.8DLU
ENDO GIA ROTICULA* 60-2.5 SULU
MF ENDO HERNIA* 4.8MM DLU – 12 Nos.
MF ENDO HERNIA* 4.0MM DLU – 12 Nos.
ENDO GIA* II 45 2.5 DLU
MF ENDO HERNA*0 INST W/4MM DLU
ENDO GIA* II 45-3.5 DLU
ENDO GIA* II 60-3.5 SULU
ENDO GIA* II 60-4.8 SULU
ENDO GIA* II 60-2.5 SULU
ENDO GIA* II 45-4.8 SULU
ROTICULTR ENDO GIA* 45-3.5 DLU
ENDO GIA* II 30-3.5 DLU
ENDO GIA* II 30-2.5 DLU
ROTICULTR ENDO GIA* 45-2.5 DLU
END STICH 3/0 48 DY PLY*DLU_SU
ROTICULTR ENDO GIA* 30-3.5 DLU
ENDO-LUBE (SEAL & INSTR LUBRIC
ENDO GIA* II 45 2.0 DLU
MULTIFIRE ENDO TA* 30-2.5 DLU
MULTIFIRE ENDO TA* 30-3.5 DLU
GIA 60-3.8 SINGLE USE LOADING
GIA 80-3.8 SINGLE USE loading
GIA 80-4.8 SINGLE USE LOADING
GIA 60-4.8 SINGLE USE LOADING
TA* 60-3.5 SU RELOAD STAPLER
GIA 100-3.8 SINGLE USE LOADING
TA* 30-3.5 SU RELOAD STAPLER
GIA 100-4.8 SINGLE USE LOADING
TA* 60-3.5 SULU BLUE
TA* 45-4.8 SU RELOAD STAPLER
TA* 90-3.5 SULU BLUE
GIA 60-4.8 SINGLE USE RELOADAB
GIA 60-2.5 SINGLE USE LOADING
APPOSE SKIN STAPLE REMOVER
TA* 60-4.8 SU RELOAD STAPLER
TA* 30V-3 SU RELOAD STAPLER
TA* 90-4.8 SU RELOAD STAPLER
TA PREMIUM* 55-4.8 TIT DLU
TA* 45-3.5 SU RELOAD STAPLER
GIA 60-2.5 SINGLE USE RELOADAB

TA* 60-4.8 SULU GREEN
TA* 90-3.5 SU RELOAD STAPLER
TA* 30-4.8 SU RELOAD STAPLER
TA PREMIUM* 55-3.5 TIT DLU
TA PREMIUM 55 INSTRUMENT
TA* 90-4.8 SULU GREEN
TA PREMIUM* 30-4.8 TIT DLU
PREMIUM PLUS CEEA* 31MM INSTR.
GIA 60-3.8 SINGLE USE RELOADAB
PREMIUM PLUS CEEA* 34MM INSTR.
PREMIUM PLUS CEEA* 28MM INSTR.
EEA* 31 DISPOSABLE LOAD UNIT
GIA 50 PREMIUM* DISP LOAD UNIT
EEA* 28 DISPOSABLE LOAD UNIT
EEA* 25 DISPOSABLE LOAD UNIT
TA* 45-4.8 SULU GREEN
EEA* 33MM SINGLE-USE STAPLER
EEAXL 25MM 3.5 STAPLES SGL USE
GIA 80-3.8 SINGLE USE RELOADAB
EEA* 31MM SINGLE-USE STAPLER
EEA* 28MM SINGLE-USE STAPLER
DST SERIES EEAORVIL25MM DEVICE
GIA 80-4.8 SINGLE USE RELOADAB
PREMIUM SURGICLIP* S-9.0" TIT
GIA 100-4.8 SINGLE USE RELOAD
PREMIUM PLUS CEEA* 25MM INSTR.
EEA* 25MM SINGLE-USE STAPLER
GIA 100-3.8 SINGLE USE RELOAD
PREMIUM SURGICLIP* II M-9.75
GIA 90 PREMIUM* DISP LOAD UNIT
PREMIUM SURGICLIP* II M-11.5
EEA 25MM 3.5 STAPLES SGL USE
EEA* XL 25MM SINGLE-USE STAPLR
TA* 30-4.8 SULU GREEN
PREMIUM SURGICLIP* M-9.75" TIT
PREMIUM SURGICLIP* L-13.0" TIT
DISP PURSTRING* 65 INSTRUMENT
PREMIUM SURGICLIP* M-11.5" TIT
PURSTRING* 45 TEMP/PERM INSTR
ROYAL*-35W DISP SKIN STAPLER
TA* 30-3.5 SULU BLUE
ROTICULATR* 55-4.8 TIT STAPLER
TA* 45-3.5 SULU BLUE
TA PREMIUM* 90-4.8 TIT DLU
TA* 30-V3 SULU WHITE

Item No. 29

Steam Sterilizer 450 Ltr, horizontal, two doors, with gravity drying, with all accessories like loading/unloading trolleys, loading baskets (built in steam generator)

Pre-vacuum steam sterilizer

Specifications

- Double door unit
- Sliding door sterilizer
- The sterilizer should have the following types of cycles:
  1. 121° C pre-vacuum
  2. 134° C flash
  3. 134° C express
  4. 134° C pre-vacuum
  5. 121° C gravity
- It should also include a leak test cycle and a Bowie-Dick test cycle.
- Chamber to be fully jacketed and constructed from 316 stainless steel.
- Chamber capacity: 450 litres approximately
- The control to include a digital screen, printer and graphic display.
- The digital screen to display all the cycle parameters (pressure temperature, time etc) as well as the different phases of the cycle. All the sterilizer functions, including cycle initiation and cycle configuration should be operated by the control board.
- An internal battery back up for all cycle memory for long term storage data. If a power failure occurs during a cycle, the battery back up system should ensure that the cycle memory will be retained and proper cycle completion should occur when power is restored.
- The door gaskets are actuated by pressurized air against the door providing a pressure tight seal. Mechanical system to prevent door from closing if an object remains in the door opening.
- Vacuum system – the unit should have pressure gauges to indicate the chamber and the jacket pressure. Drying with gravity cycle.
- Built in thermocouples for validation.
- Temperature sensor to be installed in the chamber drain and in the jacket for monitoring the temperature.
- Unit should be supplied with loading and unloading carts and transfer carriage.
- Power: 415 Volt, 50 Hz 3 P. Ac, 36 KW
- All the process walls should be SS and should work with external pneumatic air supply
- Steam generator with water softener and filters- Loading/unloading trolleys, loading baskets to be supplied.
- On site training for users.
- Full set of operator manuals and technical manuals including all electrical and electronic drawings to be supplied.
- To be supplied with consumables and standard set of spare parts.

Item No. 30

STREAK RETINOSCOPE

The unique optical design provides the first truly bimodal Retinoscope with just a quick bulb change. A true streak or
spot - no compromises.
Features
• Brilliant, bright halogen illumination
• Earth magnetic signke control for rotation, convergence and divergence
• Double neutralization check makes it easier for students
Two position apertures that optimize brightness of the retinal reflex

Item No. 31

SURGICAL DIATHERMY

Should be suitable for all types of surgeries, General, Gyneac, Cardiac, Neuro, Urology, etc.
Digital system with automatic monitoring.
Operating frequency: 550-350 KHz
Display: Digital
Monopolar Auto cut: 300 to 400 W
Not less than two blend modes
Provision for Spray, Dessication
Bipolar Coagulation
Facility for underwater cutting/coagulation
Vessel sealing up to 7 mm vessels
Accessories:
Double pedal foot switch
Single Pedal Foot switch
Patient plate with cable x1
Autoclavable handles: 3 sets
Electrodes: 3 sets
Bipolar forceps with cord x 1
Vessel sealing instrument for open surgery with cable
Vessel sealing instrument for laparoscopy with cutting facility.
All accessories should be from same manufacturer to ensure compatibility.
All instruments should be autoclavable or Single Use. Single Use Disposables if offered should be sufficient for 20 surgeries.
Protection class - CF
Equipment shall be CE & US FDA approved.
Complete instruction and service manual shall be supplied.

Item No. 32

Automatic Tissue Processor

1 Description of Function
1.1 Tissues from the body taken for diagnosis of disease processes are processed by the tissue processor in the histology laboratory to process tissues prior to microtomy to produce microscopic slides that are viewed under the microscope by pathologists.
2 Operational Requirements
2.1 Latest Model Fully automatic system carousel type with minimum 12 stations (10 reagents and 2 wax baths).
2.2 Computer controlled flow through tissue processor to automatically perform fixation, dehydration, clearing, and paraffin impregnation of tissue.
Specimens should remain stationary during processing in a fully enclosed retort while processing reagents and molten paraffin are moved to and from the chamber in a programmed sequence.
3 Technical Specifications
3.1 Metal / Polypropelene tissue baskets each with a capacity of160-200 cassettes to be met by either single or double baskets.
3.2 The tissue baskets should be such that they have a firm bottom and do not get stuck to the sides of the reagent stations.
3.3 Reagent stations – Number of vessels: 10 (1.8- 2 litres each)
3.4 Paraffin stations– Number: 2 (1.8- 2 litres each)
– Temperature setting range: 45 – 70℃ with tempera ture cut out facility (Temperature should be mentioned)
3.5 Computerized freely selectable and freely programmable
Facility should be available.
Easy editing and changing of programmes should be possible even during a processing run
Infiltration time for each station should be separately programmable.
Program start delay should be selectable without time limit.
3.6 In-built Vacuum function with fume control device.
3.7 Safety device for protection for drying of specimen in case of power failure
The buckets should go back inside the respective solution when power fails and not hang in mid air.
3.8 LCD display panel with ergonomic control, fully protected control with full protection key board, audible alarm warning/ error message.
3.9 Machine should be able to cater to short time / quick process
3.10 Interrupting an automatic processing for reloading or removing cassettes before the end of a run should be possible
3.11 Should be an open system capable of using standard cassettes from open markets.
4 System Configuration Accessories, spares and consumables
4.1 Quote pricing to up gradation to another basket with similar cassettes capacity.
4.2 Basket Rotor – 01 Nos.
4.3 Metal tissue basket- 04 Nos.
4.4 Aluminium reagent vessels of 1.8-2 litre capacity each-10 nos.
4.5 Beaker covers- 11 Nos.
4.6 Wax baths complete with thermostat – 02 nos.
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 Suitable voltage corrector/stabilizer
6.3 Reset table over current breaker shall be fitted for protection
6.4 Suitable UPS with maintenance free batteries for minimum two-hour back-up should be supplied with the system.
7 Standards and Safety
7.1 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.
7.2 Should be compliant with IEC 61010-1: covering safety requirements for electrical equipment for measurement control and laboratory use.
7.3 Should be FDA or CE or ISI approved product
7.4 Comprehensive training for lab staff and support services till familiarity with the system.
8 Documentation
8.1
Certificate of calibration and inspection from factory.
8.2 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue.
8.3
User/Technical/Maintenance manuals to be supplied
8.4
Log book with instruction for daily , weekly, monthly and quarterly maintenancechecklist.
The job description of the hospital technician and company service engineer should be clearly spelt out
8.5
List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
8.6
List of important spare parts and accessories with their part number and costing.

Item No. 33

AUTOMATIC ELECTRONIC TOURNIQUET

1. Electrically operated system with two hoses and battery back upto 45 min.
2. Should have option for bier"s block and bilateral procedures.
3. Seven Sizes 8" to 42" of cylindrical cuffs should meet individual requirements of thin and fat patient for arm and thigh. cuffs should be autoclavable.
4. Small and light weight unit that can be mounted on I.V pole or placed on a table.
5. Audible and visual alarms when pressure variation is detected
6. Unit should perform self-calibration check every time it is turn on.
7. 50 to 475 mm Hg pressure setting
8. 8.6 to 240 minutes time setting.
9.positive locking connectors, leak free inflation cuff sleeves, which help reduce wrinkles pinching and shearing of soft tissues.
10. cuff with lockout features, which should ensure that the cuffs stays inflated

Item No. 34

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 (40º 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. 35

TUBOPLASTY SET

Allis forceps 6"	4
Aneurysm needle (curved to left)	2
Aneurysm needle (curved to right)	2
Artery forceps mosquito curved	12
Artery forceps mosquito straight	8
Babcock 6"	4
Dissecting forceps Adson Plain	2
Dissecting forceps Adson Toothed	2
Needle holder mayohegar 6"	2
Needle holder curved 8"	2
Probe with director	4
Probe grooved 6"	2
Langenback retractor medium	4
Round ligament forceps	2
Scissors fine curved 5"	2
Scissors fine straight 5"	2
MICRO TUBOPLASTY	
Micro forceps without teeth	2
Micro forceps with teeth	2
Retracting rod 0.5", 2", 3" - 6"	2
Tubal scissor	2
Irrigator	2
Blunt proble ligature conductor	2
Irrigator cannula 19 g	2
Irrigator cannula 20 g	2
Irrigator needle	2

ITEM NO. 36

ULTRASONIC NEBULIZER

Should be based on ultrasonic peizo-electric principal.

Ultrasonic nebulizer suitable for continuous nebulization of distilled water medium flow rate for inhalation of water soluble medicaments.

To produce a mist with droplet sizes of 0.5 to 4 micron.

Supplied with all accessories & tubing, cart, drip bottle etc

Noise level should be less than 35 db.

Power requirement: 240vac/ 50hz

Item No. 37

Vaccum Extractor with accessories

Ø Machine should be easy to handle and compact.
Ø Light weight and portable.
Ø It should have double releasing pressure system.
Ø The suction bottles should have a one way float valve to prevent backward flow adjustable to use large (3L) or small (1.5L) bottles size capacity ,detachable for clearing and for sterilizing.
Ø Easy to view operation panel indicator for pressure .
Ø The pressure once built should be retainable and maximum pressure built up to 700mm Hg or 100pa.
Ø There should be a vaccum regulator and also selector option for abortion extraction.
Ø The suction cup should be variable size of 25mm to 60mm and caesarean cup.
Ø The cups should be of high silicon material or of autoclavable element(steel)or compatible for cold sterilization.
Ø The suction tube should be autoclavable with lock joint and of different diameter.
Ø Optional abortion cannule set should be provided for performing early pregnancy MTP.
Ø Preferable option of foot operation for generating pressure.

Item No. 38

VENTILATOR BIPAP

Non invasive ventilation/ bipap with lcd LCD display of parameters with following features
• Ipap IPAP range 6-30 cms
• Epap EPAP range 4-20 cms
• Respiratory rate can be set to 4-40 bpm
• Spontaneous / cpapCPAP/ spontaneous with time/ timed
• Connectors for et ET tube available for direct connection
• Should have cpapCPAP, psv PSV stST, pcvPCV, pacv PACV modes
• Should have facility to set target tidal volume
• Inspiratory time should be possible to set allowing critical patients to breathe out.
The rise time from epap EPAP to ipap IPAP can be set and varied
The system should be supplied with operator's manual, ultra mirage mask (full mask) , hose pipe and power cable

Item No. 39

VIDEO COLPOSCOPE

· Qualify stereoscopic optics. Facilities assessment of the finest epithelial changes.
· Ergonomic design: For convenient and fast positioning and focusing of colposcope
· Compact size: To conveniently fit in all OPD rooms and allow it to be moved for other OPD rooms
· Straight and inclined Binocular tubes: for best viewing experience
· Objective lenses: with different focal lengths allow user to select the convenient working distance.
· Different magnification settings: allow user to study epithelium at high magnification and carry

you treatment at low magnification.
· Swing in vessel delineation fitter: For improved visual activity.
· Optimum cold light illumination system: Help distinguishing small color differences in epithelium
Suitable for tuboplasty (with swivel Arm Stand) & other Micro Surgical Procedure.

Item No. 40

Ambulatory Blood Pressure Monitor
Monitor must be validated by BHS
ABMP must be lightweight less than 260g
Monitor must take less than 4 AA batteries
Must be able to programme at least 6 time intervals
Must have Windows XP compatible software.
Monitor shall be able to measure down to 30mmhg for diastole
ABMP must be able to interface to computer using a serial or USB cable
Software must be able to email report as a pdf .
Software must be able to analyze data over 48hrs
Software must allow easy selection section of data to be for analysis
Should have FDA certification
At least 5 sizes of cuff must be available for use with ABMP
Software will have inbuilt security with easily accessible log of users.

Item No 41

Fibre optic Bronchoscope for Intubation
Bronchoscope should have:
Field of view: 120deg.
Depth of field : 3-50mm
Tip deflection up/down : 180/130deg.
Distal diameter : 4.9 mm
Insertion tube diameter : 4.8mm
Diameter of working channel : 2.2mm
Insertion tube working length : 600mm
Total length : 900mm
Sharp, smooth image
Ergonomic control section
Easy insertion and excellent maneuverability
Compatible to electrosurgical treatment
Light Source should have :
Compatible light source (Xenon / Halogen) with fibre-optic cable & back-up lamp
Standard Accessories like :
Foreign Body Retriever Forceps
Tempo-nation Balloons
Magnet Forceps
Biopsy Forceps
T.B.N.A Needles

Cytology Brushes(Disposable/Reusable)
Coagulation Probes
Sampling Bottles.
Leakage Tester

Item No 42

Warming Blankets(patient warming system)
1. The convective air patient warming system should have a basic warming unit and disposable blankets.
2. The convective air patient warming system should have fast warming reaching 38°C with in 30 sec.
3. The warming system should have temperature range settings of 30°C to 34°C, 36°C to 40°C and 42°C to 46C°.
4. The warming system should have an automatic step down facility. After 45 min temperature will come down from high mode to medium mode.
5. Should be CE / FDA certified
6. Should have Hepa filter of 0.05 micron filtration efficacy.
7. Multiple mounting options: Cart, Bedrail, IV Pole and floor.
8. Machine should come with the stainless steel movable trolley for mobile purpose.
9. Machine should have auto power cut facility to control the set pressure and sensors to prevention patient burn.
Machine should have hour meter to understand total run time.
Blankets
1. The blankets for convective air patient warming system should be compatible with the basic warming unit.
2. The blankets should be lighter and resistance to puncture and fluids.
3. The Blankets should latex free, made of 2 ply material – non -woven outer layer and polyethylene inner layer. They should be precision dye cut to have an even airflow and smooth surface.
The Blankets should be disposable available in sizes – Adult upper body, Adult lower body, Adult Full Body, Cardiac Blanket, Pediatric blanket.

Item No 43

Automated Coagulometer
Turbidimetric Detection System
Samples are Automatically rerun when the results do not fit
Programmed range
* 32 Sample & 32 Reaction cuvette position in the rotor tray.
* 6 vial position in the reagent compartment.
* Washing and deproteinizing compartment.
* Probe with detection level.
* SPEED – 50 PT/ Fibrinogen per hour
Automatic calibration of PT/FB with calibrator &
Automatic sample dilution in case of Fibrinogen.

* Output Connector: RS 232
* Measuring temperature: 37º C.
* QC programme

Item No 44

Automated ESR analyzer
Model for 20 samples.
Totally automatic sample aspiration from closed vaccutainer
Provision for Pediatric sample aspiration
Automatic mixing at variable speeds
Automatic corrected results for low and high HCT
Measurement at constant temperature
Capable of automatic ESR calibration
Capable of running QC programmes
Availablity of ESR calibrators and ESR QC' controls
Should be able to perform ESR with less than 200 ul blood
Results in less than 40 seconds.

Item No 45

Portable Spirometer
• The unit should be small, portable, light weight with a built in caring handle convenient for Ward rounds and on site patient screening.
• The unit should Menu driven and operate on 220V AC
• The unit should incorporate a Fleisch type pneumotach autoclavable sensor with no moving Parts.
• Should have built in storage up to many thousands of patients with their life time data for individual or batch printing.
• The unit should incorporate with large touch screen displays with easy to follow instructions, flow/volume & volume/time graph, post test, incentive display and an inbuilt printer.
• The unit should have facility to direct connectivity to PC and able to transfer the data from unit to PC and printout facility through external printer.
• The unit should perform single breath test, VC, and closed circuit spirometry.
• The unit should measure the following parameter : VC, FVC, FEV.5, FEV.5%, FEV1, FEV1/VC%, FEV1/FVC%, FEV/PEF, FEV3, PEF, FEF25-75, FEF25-75%, FEF25%, FEF50%, FEF75%, FMFT, FET, MVVind, FIVC, FIVC/FVC%, PIF, FIF 25%, FIF50%, TV, RV, IRV, ERV, IC, etc.
• The print out should be configurable with choice of curves, parameters printed, interpretations and test quality control message .
• The equipment warranty should be of one year.
• The unit should be compliant to all standard like ATS 94, ERS 94, CE, FDA, and EN60601.

Item No 46

Portable Echocardiography Machine
I. fully digital, compact portable Colour Doppler Ultrasound machine is required with
1. The unit should be compact, lightweight and portable. Specify weight and dimensions. Weight should not exceed 5kg ($\pm$10%) excluding cart and accessories.
2. It should be suitable for abdominal, Ob/Gyn, FAST exam, cardiac, vascular, musculoskeletal, breast, small parts applications
3. The unit must have real time compound imaging for improved contrast resolution and eliminating ultrasound artifact to achieve optimum image quality. Please specify the technology.

4. System should be able to support speckle reduction imaging for better tissue differentiation and edge enhancement. Please specify the technology
5. The unit must have automatic gain adjustment for B mode.
6. Scanning depth must be available up to 30 cm or more.
7. System should support broad band / wide band Transducer Technology. System should have Linear Array, Curved Array, Phased Array, Multiplane TEE transducer; attach detail of all the transducers.
8. System must have frequency range from 1 – 14 MHz (±1 MHz)
9. Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler, Continuous wave Doppler (on all cardiac probe), PW-TDI, Power (energy) Doppler should be available.
10. Controls for 2D mode: Total gain, depth, dynamic range, auto gain
11. System must have fast start up to scanning in less than 30 seconds as essential in critical and emergency situation in ICU, emergency, OT.
12. Unit must be sturdy, resistant to breakage & damage on fall/ hit against the wall or hard surface.
13. Cine memory on all modes.
14. System should be DICOM ready system with print, save, modality worklist. Ready to connect to PACS.
15. Inbuilt Flat LCD/ TFT monitor of 10” or more.
16. Alphanumeric soft keys keyboard with easy access scans controls, system must have sealed keyboard for sanitization. This must be possible to avoid cross contamination
17. Onboard storage of at least 10000 images.
USB port for connectivity to computer.
1. System should have extensive calculation package for cardiac, Ob/Gyn, Vascular measurement and calculation provision for distance, area, volume and circumference.
2. Must be able to operate both on AC and inbuilt battery. Inbuilt battery pack should be self-recharging and should last minimum for 2 hours when fully charged.
II. Transducers
1. Broadband Convex transducer 2-5 MHz for abdominal, Ob/Gyn applications
2. Broadband Phased array transducer 1-5 MHz Adult Echocardiography, FAST Applications with PW & CW facility.
3. Broadband High Frequency Linear transducer 5-10 MHz for Vascular Imaging, musculoskeletal, breast, small parts.
4. Broadband Phased array 4-8 MHz paediatric Echocardiography with PW & CW facility
Please quote the price for the following as option
1. Broadband micro convex transducer 5-8 MHz for pediatric abdominal & neonatal head applications.
2. Broadband intracavitory transducer 5-8 MHz for Ob & Gyn applications
3. Broadband High Frequency intra operative linear transducer 6-13 MHz for intra operative applications.
4. High Frequency Linear transducer 6-12 MHz for nerve block, vascular access, Vascular Imaging. With a small foot print of 25 mm for paediatric applications
5. B/W Thermal printer
6. Mobile cart with transducer holder and space for printer.

Item No 47

Portable Ventilator
1. Micro turbine controlled intensive care ventilator adult and paediatric
2. Should have invasive – non invasive ventilation
3. Ventilator should weight not more than 5kg (five kg)
Modes:
1. Should have the following modes-
A. PCV (pressure controlled ventilation) / PACV (pressure assisted controlled ventilation)
B. CV (controlled volume)/ acv (assisted controlled volume)
C. SIMV (synchronous intermittent mandatory ventilation)
D. PSV-S(pressure support ventilation) / PSV-ST (pressure support with a back up rate)
E. CPAP (continuous positive pressure)
F. Should have target tidal volume available with all dual pressure modes
Parameter settings:
A. Tidal volume : 50-2000ml
B. Rate: 4-60bpm
C. Inspiratory flow rate:0 to 200 1pm
D. Peep: 0-20mbar
E. Inspiration pressure: 4 to 60 mbar
F. I/E ratio:1.0-3.0
G. I/T ratio:25-50%
H. FiO2 measurement from 21 to 100%
I. Should have inspiratory trigger
J. Should have exhalation trigger
K. Should have sigh
L. Should have integrated SpO2 monitor
M. Should have double limb ventilation
N. Should have battery back up for at least 10 hours
O. Should have availability to change the flow pattern in volume control (rectangle and decelerate)
P. Ramp control for pressure modes
Alarms
Should have minimum & maximum inspired tidal volume alarm
A. Should have minimum exhaled tidal volume leak maxi alarm
B. Should have fr(frequency) maxi
C. Should have min &maxi inspiratory time
Monitoring & display
A. Should have vent parameters: inspired positive airway pressure IPAP (inspired pressure)
EPAP (positive exhalation pressure) inspired tidal volume, leak , breath rate ,
FiO2,SpO2,I/E, inspiratory time
B. Should have alarms, graphics, alarm history, general configuration, preferences, curves
configuration, maintenance menu and sub menu.
C. Should have pressure volume loop, and flow volume loop

Item No 48

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

Item No. 49

Refrigerated Centrifuge
For separation of blood components like packed cells, platelet rich plasma, platelet concentrate, Cryprecipitate & Buffy Coat.
Programmable memories with tamper proof facility.
Rotor head with swing out buckets, windshielded.
Oval Shaped metal buckets with removable plastic oval cups to hold double/triple/quadruple blood bags.
Refrigerated centrifuge with suitable rotor head & buckets should accommodate/process minimum 8 blood bags of 450 ml capacity simultaneously.
Manufacturer to indicate volume & capacity of plastic bucket.
Centrifugal Force- Max ceiling 5000g.
Microprocessor Controlled rotor speed to with in 10 rpm of set value.
Different Acceleration & Deceleration profiles should be available.
Temperature range 0 deg C to +40 deg C, Microprocessor controlled rotor temperature with in +/- 1degC regardless of centrifuge speed.
Programmable time should be from 0-99 minutes with minimum revolution of 1 minute.
Digital display of temperature, speed & time & other relevant parameters.
Automatic shut down of centrifuge, if rotor load is out of balance with indicator.
Safety Key lock to prevent unauthorized use.
The equipment should have lockable castors.

The Refrigerated centrifuge should have built in memory to store atleast 50 data of centrifugation during the processing of Blood Components. The data from the centrifuge can be transferred to a computer using a RS 232 data interface.
Power Supply Requirement:- 220-240 Volts 50 Hz Single Phase.
Servo Controlled heavy duty line voltage corrector should form part of the standard configuration.
A line voltage corrector of appropriate rating giving all the specifications should be supplied along with the unit.
Should be a CE marked product & from a ISO, WHO-GMP compliant manufacturer.

Item No 50

Plasma Expressor
Product certification & approval
CE mark and S mark as per EN 61010-1 standard
Ensures safety against electrical shock hazards, fire hazards, mechanical hazards, electromagnetic interference etc
Manufacturing standard
Manufactured at ISO 9001:2000 Certified facility
Power source
AC - DC power adapter supplied along with the equipment or power from another Electronic Plasma Expressor of same make
Input for AC-DC power adapter
120-240VAC, 50/60 Hz, 0.4A
Plasma Expressor input
12VDC, 1A
Power Consumption
12W (Max)
Dimensions
(WxDxH) in mm
165 x 230 x 280
Weight
4.8 Kg
Sensor type
Infrared beam interrupt opto-sensor
Bag pressing mechanism
Stainless steel spring loaded transparent acrylic sheet
Clamping power source
Spring loaded clamp with geared DC motor
Clamp closing time
Less than 1sec
Flow rate
180 - 210ml/minute
Controls
Power Switch, Clamp Up, Clamp Down, Start
Indication lamps

Power, Start , Clamp Down
Modes of operation
Manual & electronic modes
No. of electronic plasma connected using a single power supply
4 Nos
Interface
Provision for interfacing with CopmoScale for separating a definite quantity of plasma to the satellite bag

Item No 51

Platelet Agitator
Should be able to store minimum 42 random platelet bags
Removable drawers to store apheresis bags & bags of different sizes
Gentle side to side motion (1.5or 38mm) with 70 strokes per minute +/- 10
Sturdy one piece stainless steel drawers with holes for complete air circulation across both surface of platelet bags
Heavy duty ball bearing gear motor for noiseless & continuous operations for 24hrs a day & 365 days in a year
Built in motion alarm for unplanned ceased agitation
The agitator should pause on the opening of door of incubator
Should be a CE marked product & from a ISO , WHO-GMP compliant manufacturer.

Item No 52

Platelet Incubator
Platelet incubator should have the provision to store the Agitator with the capacity to hold 40-50 standard platelet bags
Should be able to maintain temperature at + 22degC
Should have audio-visual alarms for temperature variations beyond +/- 2degC
Should have digital temperature indicator & 7 days circular chart recorder with battery back-up of minimum
3-4 hrs for continuous perations during power failure
Should have transparent outer door for ease of opertions
Should have forced air circulation method to ensure uniformity of temperature throughout the internal chamber of incubator
Inner body of stainless AISI 304 grade stainless steel with outer body of CR Sheet
Line voltage corrector of suitable rating should form part of the standard configuration
Should be a CE marked product & from a ISO , WHO-GMP compliant manufacturer.
A line voltage corrector of appropriate rating giving all the specifications should be supplied alongwith the unit

Item No 53

Deep Freezer (-80degree centigrade)
The Deep Freezer should achieve low temperature of -80degC
Should be heavy duty refrigeration system, maintenance free, with hermetically sealed refrigeration compressors reliable refrigeration with minimum noise & vibration.
Integrated digital temperature cum controller with inbuilt 7 days circular chart recorder with battery back up of 3-4 hours to ensure display & recording of temperature even during power failures.
Construction of double wall with efficient insulation to minimize temerature loss, inner chamber should be made of AISI 304 grade non corrosive stainless steel & outer made of high quality C/R sheet
Servo controlled line voltage corrector of 5 KVAshould form part of the standard configuration.
Should be a CE marked product & from a ISO, WHO-GMP compliant manufacturer.
The Deep Freezer should be vertical upright with a capacity to hold minimum 185-200 plasma bags

Item No 54

LAMINAR AIR FLOW- VERTICAL
Hepa Filter : 99.999 %efficiency for particles >0.3 µm
Pre-Filter : 85 %efficiency for particles >0.5 µm
Particle Count : Better than US Fed Std 209B Class10 and VDI 2083 Class 3
Cabinet : Laminated High Quality Wooden Board
Work Table : AISI 304 Stainless Steel
Airflow Speed Control : Speed Controller (Three Step Speed Controller)
Blower : High efficient centrifugal type with lifetime lubricated bearings
Light : High intensity,low wattage >800 lux
Noise Level : <55 dBA
Standard Accessories : Air/gas cock and .mains power socket (16A)
Power Supply : 220-230 V,50 Hz.
Power Consumption : 400 w
Internal Work Space: 600mmx600mmx600mm
900mmx600mmx600mm

Item No 55

Bio-Safety Cabinet
simple operation for ultimate safety with 60% less energy consumption and heat output that complies
with the EN 12469
Dimensions Exterior dimensions with stand (w x h x d) 1300 x 2200 x 795 mm (51.2 x 86.6 x 31.3 in)
Interior dimensions (w x h x d) 1200 x 780 x 495 mm (47.2 x 30.7 x 19.5 in)
Work surface with adjustable stand 750 to 960 mm (30 to 38 in)
Interior work surface area 0.56 m2 (930 sq. in)
Working height of front window 200 mm (8 in)
Maximum lifting height of front window 535 mm (21 in)
dimensions (w x h x d) 1410 x 1700 x 925 mm
Weight Net weight ~240 kg (~530 lbs)
Shipping weight ~260 kg (~575 lbs)
Maximum weight load of one-piece work tray 50 kg (110 lbs)
Maximum weight load of divided work tray 25 kg (55 lbs) (max of 50 kg)
Ventilation System Exhaust/inflow air volume 400 m3/h (230 CFM)
Heat emission at 25°C ambient ~0.15 kW
Filter Specification Supply/exhaust air filter HEPA H 14 EN 1822,
Additional exhaust filter option (AEF) HEPA H 14 EN 1822,
Performance Certification EN 12469; GS Nord Cert-TÜV
Sound pressure level <55 dB (A)
Lighting power >1200 lx
Electrical Data Voltage 1/N/PE 230 V
Frequency 50 Hz
Power consumption 0.4 kW
Current consumption 1.7 A
Protection class I / IP 20
Protective measure Conductor connection Conductor connection
Individual precautions on customer side Lead fuse (slow blow) T 16 A or circuit breaker B 16. The local
electrical regulations in the country of
use as well as the relevant connection conditions must be observed. The national regulations for
electrical engineering as well as the relevant technical connection conditions must be taken into account.
Supply Management Supply requirement 230 V, 50/60 Hz standard supply. Total requirement including
interior sockets 13-16 Amps.
Receptacles The receptacles have a load capacity of up to 5 A and are protected with T 5 A fuses. When
all receptacles are in use simultaneously, they must not exceed the maximum total load capacity of 5 A.
Radio interference Circuit is interference free in accordance with EN 55 014
Service valves Up to 4 (installed through access ports)
Receptacles One double, right side

Item No 56

CO2 Incubator
Temperature
Control ±0.1 °C
Range 5 °C above ambient to 50 °C (122 F)*
Uniformity ±0.3 °C @ 37 °C (98.6 F)
Tracking Alarm User-programmable high/low
Overtemperature
Sensor Precision thermistor
Setability 0.1 °C
Function Shuts off heat
Temperature Safety
Sensor Precision thermistor
Controller Independent analog electronic
CO2 Control Better than ±0.1 %
CO2 Range 0-20 %
Inlet Pressure 15 PSIG (1.0 bar)
Sensor T/C
Readability & Setability 0.1 %
Tracking Alarm User-programmable high/low
Humidity
rH Ambient to 95 % @ 37 °C (98.6 F)
Humidity Pan 3.2 qt. (3.0 liters) standard
Display (opt.) In 1% increments
Fittings
Access Port 1.3" (3.3 cm) with removable
silicone plug with filter
CO2 Inlet 1/4" hose (barbed)
Unit Heat Load
115 V/230 V 293 BTUH (86 Watt)
Shelves
Dimensions 18.5" x 18.5" (47.0 cm x 47.0 cm)
Construction Stainless steel, perforated
Surface Area 2.4 sq. ft. (0.2 sq. m)
Max. per Chamber 36.0 sq. ft. (3.3 sq. m)
Standard, Maximum 4, 15
Construction
Interior Volume 6.5 cu. ft. (184.1 liters)
Interior Type 304, mirror finish, stainless steel
Exterior 18 gauge, cold-rolled steel, powder coated
Outer Door Gasket Four-sided, molded, magnetic vinyl
Inner Door Gasket Removable, cleanable, feather-edged, silicone
Electrical
All 115 V, 50/60 Hz, 9.6 FLA (Operating range 90-125 V)
230V, 50/60 Hz, 4.4 FLA (Operating range 180-250V)
Circuit Breaker/Power Switch 12 Amps/2 Pole
Convenience/Receptade 75 Watts max. (matches cabinet voltage)
Plug 115 V: NEMA 5-15P Plug; 230 V: CEE 7/7 Plug

Alarm Contacts Power interruption; deviation of temp,
CO2, rH; customer connections
through jack on back of unit
Data Outputs (opt.) RS-485, 0-1 V, 0-5 V, 4-20 milliamp (select one)
Dimensions
Exterior (w x h x f-b) 26.3" x 39.5" x 25.0"
(66.8 cm x 100.3 cm x 63.5 cm)
Interior (w x h x f-b) 21.3" x 26.8" x 20.0"
(54.1 cm x 68.1 cm x 50.8 cm)

Item No 57

INDIRECT OPHTHALMOSCOPE

- Halogen binocular indirect ophthalmoscope 6V, 10W completely eliminated filament image, wide visual field with simple papillary distance adjustable.
- Papillary distance: 50mm≈75mm
- Output voltage: 3, 4, 5, 6V

Accessories

- Transformer, red free filter
- Cobalt blue filter, teaching mirror
- Scleral depressor, spare bulb
- Detachment chart (50 sheets)
- Carrying case
- Rechargeable battery pack
- 14 D aspheric lens
- 20 D aspheric lens.

Item No 58

Binocular microscope

a) Optical system infinity color corrected optics, antifungus treated.
Eye pieces: 10X wide fied (FV 22 or more) with inter pupillary distance 48-75mm with dioptic adjustment both side, eye guards, eye level riser.
a) Objectives: Bright field infinity color corrected optics, antifungus treated 4X,10X,40X,100X oil immersion. In changing from one objective to anther or reintroducing the same objective by rotation of the nosepiece, the center of the field should not apper displaced by more then 0.02mm in object plane.
b) Nosepice : Revolving, reversed (inward) tilt
c) Tubes : Siedento f tiltable Binocular tubes with minimum inclination 25-30 degrees .
d) Stage : uniformly horizontal, scratch resistant, rackless, rotatable stage with right hand operation & single slide holder with a stage upper limit stopper.
e) Condenser : issuing out universal with numerical aperture of 0.9/1.25 with position for bright field should have a removable filter holder, swing in, blue filter for bright field.

f) lllumination system : The system should have a bulit in, variable, low voltage light source, the circuit for the light source should include a constant voltage supply. The system should be provided with a step down transformer and on/off switch and intensity control. the lamp should be provided with a lamp socket, which has the facility for easy replacement of the bulb. The housing of the microscope. Halogen bulb -12v/20-30w. The illuminator should have a built in field diaphragm for kohler illumination.
Power supply : Voltage 220V, 50hZAC should have one on- off power switch, power cord with a 3pin male plug. The system should have an inbuilt protective/ safety devioce to withastand fluctuations of voltage from 140v to 280v. The fuse the halogen lamp should be easily accessible.
g) Arm rest, Left and right.

Item No 59

Electrophoresis & Densitometer
ELECTROPHORESIS AND DENSITOMETER SYSTEM (AUTOMATIC)
The electrophoresis equipment should be able to perform electrophoresis on serum, urine or other body fluid for protein, lipoproteins hemoglobin's.
I. Electrophoresis system
Power supply
§ To provide constant voltage & current mode.
§ Input voltage 220 volts or 110 vac 50/60 hz
§ Output voltage 20-300 vdc continuously adjustable in each range.
§ Current 0-100 ma at settage current 1.5 to100 ma
§ Timer 0-60 minutes.
§ Safety featured: overload /short circuit protection floating output.
Horizontal tank: can accommodate 3 bridges for minimum 3 strips of 5×8cm size as well as can accept single suitable bridge adopter to hold larger strip. The tank unit should have buffer capacity of 250ml and built in safely micro-switches which are moved when the cover is taken off.
Ups: appropriate standard make ups with minimum 2 hrs back up battery.
The above system should be supplied along with necessary accessories like samples holder, applicators,bridge adaptors ,buffers, reagent start up kit.
II. Densitometer system
Light source: halogen lamp 6v-12v, 1watt - 40 watt.
Operating wavelength: at least 530nm, 570nm and white light
Photocell type: sillicium phtotcell or any other equivalent
Photometric linearity: 0.00 to 2.5 o.d. or better
Programmable scanning length: 120mm or more
Programmable scanning width: 90mm or more
Should accept all electrophoresis media (including agarose) on plastic or glass plate.
Editing features: automatic fraction identification, insertion/ deletion, renaming of peaks, addition of fractions, baseline correction.
Monitor: display of graphs and other data.
Printer: built in graphic thermal printer or better.
Software: user programmable tests for different applications including serum/urine/protein electrophoresis.
Reports: graphs, percentage, g/dl. A/g ratio, patient data.
Memory: storage of result including graphs.
Data management: direct comparison of pathological cases statistical calculation.
Serial port: bi-directional.

Item No 60

Dental X Ray

Simultaneous ignition, mas system
• Rated peak tube potential and rated tube current 70kvp 10ma
• Effective focal point 0.8 x 0.8 mm
• Total filtration 2.1 mm ai
• Oil cooling system
• S.s.d. 200 mm
• Hand switch

Item No 61

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 62

Automatic Tissue 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 63

CELL WASHER

1. Microprocessor controlled fully automatic cell washer
2. Touch pad with digital LCD display
3. Programmes for wash cycles, saline volume, spin time and RPM
4. Save and store multiple programmes
5. To accommodate 12 tube of standard 12x75 mm size
6. Brushless motor for quiet operation
7. Saline detec system with audible low saline warining
8. Agitate cycle to ensure complete re-suspension of cells
9. Audible and visible alert at the end of process
10. Power 220 v/50 Hz
11. CE/FDA/BIS approved

Item No 64

Cytospin

Centrifuge should be designed fo rteh preparation of cytological specimens.
Should have program memory storage in case of power failure.
Should have spinning speed programmable for speeds of 200 – 2000 rpm.,
Should have time window to display programmed time and remaining time from 1 – 99 minutes.
Safety alarm – audible alarm if the centrifuge is out of balance, outside the speed tolerance or if the lid is not properly locked.
Unit should not spin if the lid is not locked
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.
System design should prevent accidental spillage and should allow for easy disinfection.
System should have CE, GS, and UL certifications.
Enclose Gold standard products with supporting documents like traceability certificate and QC certificates.
Country of origin certificate along with date of manufacture certificate mandatory.
Should provide FDA / CE certifications.

Item No 65

EMG

The system should have :
Four channel acquisition.
Large amount of data storage which can be replayed with audio.
Easy to choose muscle from a well organized list for testing and scoring. Scoring options are user definable.
Continuous/Rasterized display.
Surface EMG, SP Activity, Interference Pattern, Triggered EMG, Single Motor Unit Potential, Turn/Amplitude analysis can be done on a single screen.
Advanced quantitative EMG for classifying MUPs into different bins depending upon morphology.
Manual/ Auto MUPs selection for analysis.
Guide for commonly used muscles describing its location and needle insertion positions.
NCS (Nerve Conduction Studies)
Auto Latency/Amplitude marking with user definable measurements.
Separate test customization for each Nerve.
More than one nerve can be tested on a single screen.
Individual sweep and sensitivity for each trace which is adjustable even after acquisition.
Direct dragging of markers and traces with mouse.
Motor and sensory tests can be done on the same screen. F latencies can be marked while doing MNC test its self.
Multiple sets for recording RNS/ Decrement waves.
Definable number of traces in all tests.

Split Screen for viewing Ipsi and Contra recordings in Blink Reflex test.
Built in wizard for help on electrode placements and Stimulus sites for various nerves.
Fully isolated shock stimulator and amplifiers for Patient safety
EPs (Evoked Potentials)
Up to 16 waves can be recorded.
Left/Right sides can be compared on single screen.
Double buffered (odd/even) averaging technique.
Both odd/even or normalized average can be viewed.
User definable marks which gets auto marked on the wave.
SEP, VEP, BERA, 40 Hz
Auto Protocol with user defined intensities is provided f o r f a s t He a ring Threshold measurements along with Latency-Intensity graph.
Guide detailed for showing various electrode placements in all EPs along with expected waveforms
Technical Specifications
4 channels
Sensitivity : 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500 µV/div; 1, 2, 5, 10, 20 mV/div.
Highcut : 2 pole (12 dB/ octave) filter. Selectable at 100, 200, 500 Hz; 1, 2, 3, 5, 10 kHz.
Lowcut : Selectable at 0.2, 2, 20, 30, 100, 200, 500 Hz.
Sweep speeds : 1 to 1000ms/div in 19 steps (1, 1.5, 2, 3, 5,
(NCS & EP) 7.5, 10, 15, 20, 30, 50, 75, 100, 150, 200, 300, 500, 750, 1000).
Sweep speeds : 2 to 500 ms/div in 13 steps (2, 4, 6, 10, 20,
(EMG) 30, 50, 75, 100, 150, 200, 300, 500).
C M R R : > 100 dB.
Input Impedance : > 100 M Ohms (common mode).
Noise : < 0.5 µV rms (1 Hz to 10 kHz).
A/D Convertor : 14 bit analog-digital conversion.
Averager : Number of averages per channel upto 9999.
Electrical Stimulation
Duration : 0.02, 0.05, 0.10, 0.20, 0.50, 1.0 ms.
Repetition rates : 0.5, 1, 3, 5, 7, 10, 15, 20, 25, 30 PPS standard or any user definable value.
Electrical Stimulator
Type : Hand held, constant current electrical stimulator with stimulus intensity dial and stimulus trigger on handle. Save and Start/Stop switches are provided on Stimhandle.
Isolation : Electrically isolated stimulator with independent controls.
Electrical range : 0-100 mA with adjustable duration, intensity and repetitive rate.
Auditory Stimulator
Type : Headphone.

Stimulus : Click(Rare, Comp., Alt), Pips.
Frequency : 250 Hz to 8000 Hz.
Intensity : 0-110 dB nHL or 30-140 dB SPL.
Presentation : Left, right or both ears.
Click duration : 100 µs square wave clicks. Rarefaction,
condensation or alternating polarity
Envelopes : Linear, Gausian, Black man, Hanning
White Noise : Contra lateral masking from 0 dB to
80 dB nHL.
Rate: User definable.
Visual Stimulator
Video monitor : monochrome VEP monitor for black
and white or color with user
programmable colors, pattern reversal
check board stimulation, vertical bars,
Horizontal bars. Features center fixation
target, independent quadrant and half
field stimulation.
Square sizes: 2, 3, 4, 5, 7, 8, 9, 11, 13, 16, 21, 32, 64.
Flash mode: Available.
Rate: User definable.

Item No 66

Fully Automated Three Part Hematology Analyzer

Measures 18 parameters including differential leucocyte with only 20 microlitre of blood
Backlit and touch screen LCD display.
All 18 parameters alongwith three histograms are displayed
In built thermal printer,and facility of external also.
Automatic sample prob wipe.
Automatic prob parking in side the machine
Automatic orifice cleaning with back flush.
Possibility of shifting discriminators manually for particle size analysis.
Should have zero back ground count at any time.
Should have two seperate chambers for WBC & RBC measurement.
Should have long life led,sensors & maintenance free membrane valves.
Should have throughput 60 test / hour

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										
Item Sl. No.	Brief Description of Goods (with make & model)	Country of Origin	Quantity (Nos.)	Price per unit (Currency)									Unit price on DDP basis at consignee's site	
				Gross FOB price at sea/air port of Lading (inclusive of Agency Commission)	Amount and percentage of Agency Commission **	Net FOB (excluding Agency Commission) (a-b)	Insurance & Freight	Net CIP by Air/ Sea at the port of entry (c+d)	Custom Duty amount as % of Net CIP (amount with CDEC as applicable) **	Custom Clearance & Handling Charges **	Loading/ Unloading, inland transportation, insurance as per Clause 11 of GCC & incidental cost till consignee's site **	Installation commissioning , supervision. Demonstration & training at the consignee's site **	In foreign currency	In Indian Rupees
				(a)	(b)	(c)	(d)	(e)	(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
Proforma of Final Acceptance Certificate by the Consignee

No _____ Date_____

To
M/s_____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

(a) Contract No_____ dated_____

(b) Description of the equipment(s)/plants: _____

(c) Equipment(s)/ plant(s) nos.: _____

(d) Quantity:_____

(e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no_____ dated _____

(f) Name of the vessel/ Transporter: _____

(g) Name of the Consignee: _____

(h) Date of commissioning and proving test: _____

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).
The supplier has fulfilled its contractual obligations satisfactorily ## or
The supplier has failed to fulfil its contractual obligations with regard to the following:
He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract

is_____.
The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.
The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).

Signature
Name:
Designation with stamp

Explanatory notes for filling up the certificate:

- He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- Training of personnel has been done by the supplier as specified in the contract
- In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

SECTION – XIX

DETAILS OF SHIPPING ARRANGEMENT FOR LINER CARGOES IN RESPECT OF C&F/CIF/TURNKEY/F.O.R CONTRACTS FOR IMPORTS

1. SHIPMENT FROM PORTS OF U.K INCLUDING NORTHERN IRELAND (ALSO EIRE), FROM THE NORTH CONTINENT OF EUROPE (GERMANY, HOLLAND, BELGIUM, FRANCE, NORWAY, SWEDEN, DENMARK, FINLAND AND PORTS ON THE CONTINENTAL SEABOARD OF MEDITERRANIAN (I.E. FRENCH WESTERN ITALIAN PORTS), TO PORTS IN INDIA.

   The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India-Pakistan-Bangladesh Conference. If the Seller finds that the space on the 'Conference Lines' vessels is not available for any specific shipment, he should take up with India-Pakistan-Bangladesh Conference. Conferity House, East Grinstead, Sussex (UK), for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

   The Seller should arrange shipment through the Government of India's Forwarding Agents, M/s Schenker & Co., 2000-Hamburg (Cable: SCHENKER CO., HAMBURG) OR obtain a certificate from them to the effect that shipment has been arranged in accordance with instructions of the Ministry of Surface Transport, (TRANSCHART), New Delhi.

2. SHIPMENT FORM PORTS OF U.K. INCLUDING NORTHERN

   Goods under this contract would be shipped by the national shipping companies of the Contracting Parties operating bilateral shipping service and vessels under the flag of third countries in accordance with the Agreement between the Government of German Democratic Republic and the Government of the Republic of India in the Field of Merchant Shipping signed on 9.1.1979, as amended up-to-date.

3. ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

   The seller should arrange shipment of the goods by vessels belonging to the following Indian member lines;

   1. The Shipping Purchaser of India Ltd.
   2. The Scindia Steam Navigation Co., Ltd
   3. India Steamship Co., Ltd

   For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should give adequate notice about the readiness of each consignment from time to time at least six weeks in advance of the required position to M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)
   The seller should arrange shipment through the Government of India's Forwarding Agents M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) or obtain certificate from them to the effect that shipment has been arranged in accordance with the instructions of the Ministry of Surface Transport, (TRANSCHART), New Delhi.

4. SHIPMENT FROM POLAND & CZECHOSLOVAKIA

   (i) IMPORTS FROM POLAND

Shipment under this contract would be made by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the agreement between the Govt. of the Republic of India and the Govt. of the Polish People's Republic regarding Shipping Co-operation dated 27.6.1960 as amended up-to-date.

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.
Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: 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 terms as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you fully accepted payment terms as per TE document?			
16(a)	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
16(b)	Have you submitted satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
17.	Have you submitted copy of the order(s) aagainst the above end user certificate (s)?			
18.	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 addresses

Consignee Code	Consignee Address	Contact Nos.
MGM	Medical Superintendent ESIC-PGIMSR MGM Hospital Dr. S.S. Rao Road Parel, Mumbai- 400 012	022-24132575/81
Andheri	Medical Superintendent ESI MODEL HOSPITAL CUM ODC Central Road, Near Marol Bus Stand Andheri (E) Mumbai – 400 093	022-28367206

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