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-60/11-12

BY

HLL Lifecare Limited

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

NOTICE INVITING TENDERS (NIT)

1. Tender Enquiry No. HLL/PCD/ESIC-60/11-12 Date: 15.07.2011

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

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
1	Biosafety Cabinet	1	16,000
2	Cell washer	1	14,000
3	Cytospin	1	6,000
4	Electrophoresis & Densitometer	1	10,000
5	Embedding Machine with cooling station	1	24,000
6	800 mA X-ray machine with fluoroscopy with IITV	1	32,000
7	Ambulatory BP Monitor	4	16,000
8	Automated Visual Field Analyser with printer (Perimeter)	1	4,000
9	Baby Warmer	4	4,000
10	Bilirubinometer	1	6,000
11	Combined A&B Scan Machine	1	4,000
12	CPM Unit	2	19,000
13	Dental Unit Complete	1	34,000
14	Electrolyte Analyser	1	6,000
15	Fully automated ELISA reader with washer	1	18,000
16	Fully Automated random access biochemistry analyser	1	40,000
17	Holter Recorder & Analyser	1	16,000
18	Laryngoscope (Fibreoptic)	1	6,000
19	Mobile C-Arm Image Intensifier with DSA	1	50,000
20	Neonatal Monitor	2	16,000
21	Oesophagoscope Adult	1	5,500
22	Operating Zoom Microscope for Opthalmology	1	40,000
23	Patient Warming System (Warming Blankets)	3	30,000

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
24	Phaco Emulsification Machine	1	60,000
25	Suction Machine (Portable)	2	6,000
26	TMT	1	24,000
27	Traction Unit	1	8,000
28	UVB Chamber	1	10,000
29	500 mA X-Ray unit with Automatic Film Processor	1	30,000
30	Donor Chairs	2	24,000
31	OT Table for minor OT	1	5,000
32	Surgical Diathermy	3	36,000
33	Auto Analyser	1	28,000
34	Cardiotocograph(C.T.G) Machine	1	8,000
35	E.N.T Operating Microscope	1	28,000
36	Harmonic Scalpel	1	24,000
37	Hysteroscope	1	9,000
38	Random Access Chemiluminescence Immunoassay System	1	30,000
39	Tympanometer with Acoustic Reflex	1	9,000
40	Vaccum Extractor with accessories	1	9,000
41	Emergency Resuscitation Kit-Adult (imported)	2	40,000
42	OT Tables for General Surgery & Gynaecology	2	100,000
43	Bipolar Cautery	1	15,000
44	Blood Vessel Sealer	1	15,000
45	Dental Unit Complete	1	34,000
46	Dental X-Ray	1	10,000
47	Fetal Monitor	4	24,000
48	Orthopaedic Surgery Instrument Set	1	142,000
49	Tympanometer	1	9,000
50	Ventilator critical care	7	168,000
51	Video Colposcope	1	13,000
52	Anaesthesia Workstation	2	80,000
53	Arthroscope Set	1	120,000

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
54	Binocular Microscope	4	4,000
55	Biochemistry Semi- Auto Analyser	1	2,000
56	BIPAP	2	8,000
57	Combination Therapy Unit	1	6,000
58	Dental X-Ray	1	6,000
59	ECG Machine 12 channel	1	5,000
60	Multipara Bed side Monitor/Neonatal Monitor	6	48,000
61	Operating Laparoscope Set for General Surgery	1	80,000
62	OT Table for Orthopaedics	1	102,000
63	OT Tables for General Surgery & Gynaecology	1	50,000
64	Phaco Emulsification Machine	1	60,000
65	Slit Lamp	1	32,000
66	Urine Analyser	1	4,600
67	Diagnostic X-Ray Machine 300 mA	1	10,000

2. Tender No.: HLL/PCD/ESIC-59/11-12

Sl No.	**Description**	**Schedule**
i.	Dates of sale of tender enquiry documents	18.07.2011 to 24.08.2011, in all working days, during 10:00am to 4:00pm
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited Procurement & Consultancy Services Divn. B-14A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3,000.00/ USD 75.00
iv.	Time and date of Pre-bid meeting	27.07.2011 at 3.00pm. (IST)
v.	Closing date & time for receipt of Tender	25.08.2011 at 2.00pm. (IST)
vi.	Time and date of opening of Techno-Commercial tenders	25.08.2011 at 2.30pm. (IST)
vii.	Venue for Pre-bid Meeting & Techno- Commercial Tender Opening	Same as given in 2 (ii)

3. Interested tenderers may obtain further information about this tender from the office of Head (P&CD), HLL Lifecare Ltd., Noida. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs. 3,000.00/ USD 75.00 per set in the form of account payee Demand

Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of **"HLL Lifecare Limited"** payable at New Delhi**.**

4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100.00 for domestic post and USD 50.00 for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above. However, HLL Lifecare Ltd. shall not be responsible for any postal loss/delay.

5. Tenderer may also download the tender enquiry documents from the web site www.esic.nic.in or www.lifecarehll.com and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.

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

7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector-62, Noida -201307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late tender and rejected. The tenders sent by post/ courier must reach the above said address on or before the closing date & time indicated in Para 2 above, failing which the tenders will be treated as late tender and rejected.

8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.

9. The Tender Enquiry Documents are not transferable.

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

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

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

(i) "T E Document" means Tender Enquiry Document
(ii) "NIT" means Notice Inviting Tenders.
(iii) "GIT" means General Instructions to Tenderers
(iv) "SIT" means Special Instructions to Tenderers
(v) "GCC" means General Conditions of Contract
(vi) "SCC" means Special Conditions of Contract
(vii) "DGS&D" means Directorate General of Supplies and Disposals

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

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia,* the required quantity, delivery schedule, terms and place of delivery.

2.2 This section (Section II - "General Instructions to Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.

2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Deleted

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

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

8. Content of Tender Enquiry Documents

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

Section II – General Instructions to Tenderers (GIT)
Section III – Special Instructions to Tenderers (SIT)
Section IV – General Conditions of Contract (GCC)
Section V – Special Conditions of Contract (SCC)
Section VI – List of Requirements
Section VII – Technical Specifications
Section VIII – Quality Control Requirements
Section IX – Qualification Criteria
Section X – Tender Form
Section XI – Price Schedules
Section XII – Questionnaire

Section XIII – Deleted
Section XIV – Manufacturer's Authorisation Form
Section XV – Bank Guarantee Form for Performance Security/CMC Security
Section XVI – Contract Forms A & B
Section XVII – Proforma of Consignee Receipt Certificate
Section XVIII – Proforma of Final Acceptance Certificate by the consignee
Section XIX – Details of Shipping arrangement for Liner Cargoes in respect of C&F/CIF/Turnkey/F.O.R. Contracts for Import
Section XX – Check List for the Tenderers
Section XXI – Consignee List

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

9. Deleted

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

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

B) Price Tender:

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

N.B.

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

11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender.

11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.

11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.

12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currencies say USD, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.

12.3 Tenders, where prices are quoted in any other way shall be treated as non-responsive and rejected.

13 Tender Prices

13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, it should be clarified as "NA" by the tenderer.

13.2 The tenderer has the option to submit its quotation for any one or more item (s) in the List of Requirements. However, separate sealed cover to be used for each item for price bid.

13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.

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

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

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

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

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

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

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

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

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

a) If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty

applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.

b) If a Tenderer chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.

c) Subject to sub clauses 13.5.2 (a) & (b) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

13.5.5 Customs Duty:

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

13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.

13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.

13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser’s right to award the contract on the selected tenderer on any of the terms offered.

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

14. Indian Agent

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

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

15. Firm Price

15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. Deleted

17 Documents Establishing Tenderer's Eligibility and Qualifications

17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

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

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

18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on

the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.

18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.

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

19. Earnest Money Deposit (EMD)

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

19.2 Deleted

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

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

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

19.5 Deleted.

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

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

20. Tender Validity

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

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

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

21. Signing and Sealing of Tender

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

21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate". Duplicate tenders may contain all pages including Technical Literature/Catalogues as in Original tenders.

21.3 The original and duplicate copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

21.5 The tenderer is to seal the original and copy of the tender in separate envelopes, duly marking the same as "Original", "Duplicate" and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope along with envelope containing EMD, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.

21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **'Techno - Commercial Tender'**, and the second part **'Price Tender'** as specified in clause 11 of GIT. Tenderer shall seal **'Techno - Commercial Tender (along with envelope containing EMD)'** and **'Price Tender'** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector -62, Noida -201307, Uttar Pradesh**. In case of bulky tender, which cannot be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector -62, Noida -201307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Preliminary Scrutiny of Tenders

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

27.2 Deleted.

27.3 Deleted

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

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

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

28. Deleted

29 Discrepancies in Prices

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Deleted

34. Comparison of Tenders

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

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

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

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

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

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

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

The purchaser reserves the right to accept in part or in full any tender or reject any or more tender(s) without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

(a) defines, for the purposes of this provision, the terms set forth below as follows:
   (i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
   (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)

TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

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

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

a) It shall be in any one of the forms namely Account Payee Demand Draft drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee.
b) In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee.

5.3 In the event of any failure /default of the supplier with or with out any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.

5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

5.5 The supplier shall enter into Comprehensive Maintenance Contract as per the 'Contract Form - B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.

5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

7.3 Packing instructions:
Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the

contract) and mark each package on three sides with the following with indelible paint of proper quality:

a. contract number and date
b. brief description of goods including quantity
c. packing list reference number
d. country of origin of goods
e. consignee's name and full address and
f. supplier's name and address

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).

8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.

8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.

8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.

8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.

8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.

8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

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

10. Transportation of Goods

Instructions for transportation of imported goods offered from abroad:

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

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

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

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

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

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

11. Insurance:

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

i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

ii) in case of supply of the imported goods on DDP Basis, the supplier shall arrange and pay for marine/ air insurance making the consignee as beneficiary. The additional extended

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

12. Spare parts

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

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

b) In case the production of the spare parts is discontinued:

i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and

ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

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

13. Incidental services

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

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 This **warranty shall remain valid for 2 (Two) years** in general, after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the Purchaser/Consignee in terms of the contract, **unless specified otherwise in the SCC**.

a. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following items:-
   i. X-ray and CT tubes and high-tension cables.
   ii. Helium replacement
   iii. Any kind of motor
   iv. Plastic & Glass parts
   v. All kinds of sensors including oxygen sensors

vi. All kinds of coils, probes and transducers including ECG cable, BP transducers, SpO2 Probes, Ultrasound and Color Doppler Transducers/probes, BP Cuffs, Defribrillator internal paddles, chart recorders, ventilator reusable patient circuits, servo humidifier with chamber, electrodes and probes for blood gas analyser, MRI coils.
vii. All kinds of flat panel sensors and cassettes for Digital Radiography & Computer Radiography systems and patients handling trolleys, etc.
viii. Printers and imagers including laser and thermal printers with all parts.
ix. UPS including the replacement of Batteries.
x. Air-conditioners

c. Replacement and repair will be under taken for the defective goods.
d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the **warranty for the rectified/replaced goods shall be extended to a further period as mentioned under clause 15.2** from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods

15.8 The Purchaser/Consignee reserve the rights to enter into **Annual Comprehensive Maintenance Contract** between Consignee and the Supplier for the period as mentioned in General Points for Technical Specifications, **Section VII (para-4)**, after the completion of warranty period.

15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for **10 (ten) years** from the date of installation and handing over.

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

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
b) Mode of packing,
c) Incidental services to be provided by the supplier
d) Mode of despatch,
e) Place of delivery, and
f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

(i) 90 % payment of the contract price shall be paid within 24 hours on receipt of goods in good condition and upon the submission of the following documents complete in all respects. Bills shall be returned un-paid in case of any discrepancy. Delay in payment on account of above shall rest with the supplier.
(ii) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
(iii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(iv) Two copies of packing list identifying contents of each package;
(v) Inspection certificate issued by the nominated Inspection agency, if any;
(vi) Insurance Certificate as per GCC Clause 11;
(vii) Certificate of origin.

b) On Acceptance:

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

B) Payment for Imported Goods:

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

a) On delivery:

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

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

b) On Acceptance:

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

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

d) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

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

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

21.2 The supplier shall not claim any interest on payments under the contract.

21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.

21.4 Irrevocable & non-transferable LC shall be opened by ESIC/ Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/ consignee, the charges thereof shall be borne by the supplier.

21.5 The payment shall be made in the currency / currencies authorised in the contract.

21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the purchaser.

21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount

will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
(b) Delay in supplies, if any, has been regularized.
(c) The contract price where it is subject to variation has been finalized.
(d) The supplier furnishes the following undertakings:

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

22. Delay in the supplier's performance

22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract.

22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

(i) imposition of liquidated damages,
(ii) forfeiture of its performance security and
(iii) termination of the contract for default.

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.

(c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

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

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

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

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

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

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

31. Applicable Law

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

32. General/ Miscellaneous Clauses

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

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

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

For GCC Clause No. 15.8:

After completion of Warranty period Annual Comprehensive Maintenance Contract (CMC) to be quoted as mentioned in General Technical specifications Section VII (Para-4) for all the items except for Item Sl. No. 48.

SECTION - VI

LIST OF REQUIREMENTS

Part I:

Sl. No.	Short Description of Item	Consignee wise required qty.								**Total Qty.**
		Andheri	Bapunagar	Ezhukone	MGM	Nacharam	Naroda	Peenya	Tirunelveli	
1	Biosafety Cabinet	1								1
2	Cell washer	1								1
3	Cytospin	1								1
4	Electrophoresis & Densitometer	1								1
5	Embedding Machine with cooling station	1								1
6	800 mA X-ray machine with fluoroscopy with IITV		1							1
7	Ambulatory BP Monitor		4							4
8	Automated Visual Field Analyser with printer (Perimeter)		1							1
9	Baby Warmer		4							4
10	Bilirubinometer		1							1
11	Combined A&B Scan Machine		1							1
12	CPM Unit		1					1		2
13	Dental Unit Complete		1							1
14	Electrolyte Analyser		1							1
15	Fully automated ELISA reader with washer		1							1
16	Fully Automated random access biochemistry analyser		1							1
17	Holter Recorder & Analyser		1							1
18	Laryngoscope (Fibreoptic)		1							1
19	Mobile C-Arm Image Intensifier with DSA		1							1
20	Neonatal Monitor		2							2
21	Oesophagoscope Adult		1							1
22	Operating Zoom Microscope for Opthalmology		1							1
23	Patient Warming System (Warming Blankets)	2	1							3

Sl. No.	Short Description of Item	Consignee wise required qty.								**Total Qty.**
		Andheri	Bapunagar	Ezhukone	MGM	Nacharam	Naroda	Peenya	Tirunelveli	
24	Phaco Emulsification Machine		1							1
25	Suction Machine (Portable)		2							2
26	TMT		1							1
27	Traction Unit		1							1
28	UVB Chamber		1							1
29	500 mA X-Ray unit with Automatic Film Processor			1						1
30	Donor Chairs				2					2
31	OT Table for minor OT				1					1
32	Surgical Diathermy				3					3
33	Auto Analyser					1				1
34	Cardiotocograph(C.T.G) Machine					1				1
35	E.N.T Operating Microscope					1				1
36	Harmonic Scalpel					1				1
37	Hysteroscope					1				1
38	Random Access Chemiluminescence Immunoassay System					1				1
39	Tympanometer with Acoustic Reflex					1				1
40	Vaccum Extractor with accessories					1				1
41	Emergency Resuscitation Kit-Adult (imported)						2			2
42	OT Tables for General Surgery & Gynaecology						2			2
43	Bipolar Cautery							1		1
44	Blood Vessel Sealer							1		1
45	Dental Unit Complete							1		1
46	Dental X-Ray							1		1
47	Fetal Monitor							2	2	4
48	Orthopaedic Surgery Instrument Set							1		1
49	Tympanometer							1		1
50	Ventilator critical care							7		7

Sl. No.	Short Description of Item	Consignee wise required qty.								**Total Qty.**
		Andheri	Bapunagar	Ezhukone	MGM	Nacharam	Naroda	Peenya	Tirunelveli	
51	Video Colposcope							1		1
52	Anaesthesia Workstation								2	2
53	Arthroscope Set								1	1
54	Binocular Microscope								4	4
55	Biochemistry Semi- Auto Analyser								1	1
56	BIPAP								2	2
57	Combination Therapy Unit								1	1
58	Dental X-Ray								1	1
59	ECG Machine 12 channel								1	1
60	Multipara Bed side Monitor/Neonatal Monitor								6	6
61	Operating Laparoscope Set for General Surgery								1	1
62	OT Table for Orthopaedics								1	1
63	OT Tables for General Surgery & Gynaecology								1	1
64	Phaco Emulsification Machine								1	1
65	Slit Lamp								1	1
66	Urine Analyser								1	1
67	Diagnostic X-Ray Machine 300 mA		1							1

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:
Within **60 days** from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote the earliest delivery period).

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

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13. Installation & Commissioning shall be completed within 15 days of handing over the site of installation, complete in all respect by the consignee. The date of handing over of

the site has to be intimated by the supplier to the purchaser. The delay on the part of the supplier to install and commission the equipment will attract the provisions as contained in the liquidated damage clause.

Part IV:

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

Part V:

Annual Comprehensive Maintenance Contract (CMC) to be quoted as per details given in General Technical Specifications para-4. Unless otherwise stated in Special Condition of Contract (SCC) in Section -V, CMC is applicable for all the items.

Part VI:

Required Terms of Delivery and Destination.

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

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

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

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

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

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

Part VII:

Inspection:

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

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

Section – VII

Technical Specifications

Item No: 1
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 lux
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:2

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: 3

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: 4

ELECTROPHORESIS & DENSITOMETER

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: 5

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: 6
HIGH FREQUENCY 800 mA X- RAY MACHINE

1.GENERATOR :

Radiographic Parameters

Maximum mA Output :800mA

Maximum kV Output :125kV

Fluoroscopic Parameters

Maximum mA Output : 3mA

Maximum kV Output :90 kV

Exposure Time

From 5 Millisecond to 5 Seconds with digital mAs integrator

The generator should be provided with Rapid Anode Braking Device (to increase tube life) Automatic computation & display mAs value & kV digitally to be provided .

2.X-RAY TUBE :

The unit should be complete with : 2 Nos. of 30/50kW x-ray tube with high speed anode rotation of higher than 8500 rpm each with a pair of H.T Cable for under couch and over coach radiography.

3.TABLE:

Vertical to Trendelenberg position

Bucky with adjustable cassette tray with a grid ratio of 10:1 and 100 lines per inch

Motorized Under Couch Collimator and Manual Over Couch collimator.

The Spot Film Device should include the following :

- 4 in 1 on 8”X10” Film
- 2 in 1 on 10”X12” Film
- 1in 1 on 14”X14” Film

along with a suitable grid

Foot Rest, Compression Device foot Switch hand Grip, Skull Cone, Shoulder Rest, Strap Radiation flaps

4.COLUMN STAND :

Floor to Ceiling with Counter Balancing System.

5.IITV

The entire system should consist of the following :

Image Intensifier (II) capable of being coupled with the existing 500mA X-Ray machine and fluoroscopic tables.

High resolution CCD camera to capture the image from the output phosphor of the II.

Trolley mounted 17” Monitor (44”)

Minimum specifications of the Image Intensifier :

Nominal entrance field diameter of 23 cm with dual field selection capability.

Output window size 20-25 mm.

Vertical & Horizontal image orientatino reversal switches mounted on II.

The assembly should have `All metal’ construction and provide magnetic and lead shielding.

Minimum specifications of the CCD camera.

- Should be of PAL Systems with minimum 750 x 580 pixels.
- Video Standard 50 Hz. 625 lines interlaced.
- Video gain should have automatic gain control.
- Circular blanking facility.
- Video output – 1 Vpp composite video.
- Last image hold facility must be present.

Minimum specification of the monitor.

- Minimum 43 cm. 17” diagonal with circular mask.
- Local controls for image contrast and brightness adjustment.
- Should be cart/ trolley mounted and movable anywhere in the fluoroscopy room.

The Image Intensifier should be fully counter balanced consisting of ceiling counterpoise system with rails.

Accessories :

Voltage stabilizer servo controlled type of 75 KVA capacity.

Lead Aprons – 4 nos.

AERB/ BARC approved.

Item No: 7

AMBULATORY BP MONITOR

Monitor must be validated by BHS

Monitor must take less than 4 AA batteries

Must be able to programme at least 6 time intervals

Must have wWindows xp 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 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 US 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: 8
AUTOMATED VISUAL FIELD ANALYZER (PERIMETER)

High quality goldman standard Imported automated full field perimeter with bowl size 30cm.

Computer monitor should be inbuilt with the perimeter.
Clinically validated normative databases(FDA approved).
· Maximim intensity 10,000Asb,Bowl illumination 31.5Asb
· Floppy drive ,Internal hard disk drive with future upgradation to MOD
· Stimulation duration 200ms,wavelenth Broad band visible light
· Stimulus/Background colour White on White
· Maximum temporal range 90Deg.Suitable for central 30 as well as full field testing
· Central field test patterns 30-2,24-2,10-2,Macula
· Peripheral field test pattern 60-4,Nasal Step
· Thresold test strtegies full thresold,Fast Pac,SITA,SITA Fast,SITA Standard
· Screening field test P-60,FF-80,FF-120, FF-240,Nasal Step for periphery .
· Screening test strategies Two zone,Three Zone and Quantify Defects
· Custom Test
· Stimulus Size I-V as per goldmann standards
· Glaucoma hemifield test,Heijl –Krakau blind spot moniter
· Video eye monitering,Trial Lens Holder,
Touch screen on CRT as well as Keyboard & Mouse
· Motorised chinrest, Motorised table with Laser Jet Printer
OPTIONAL
Glaucoma progression analysis software

Item No: 9
BABY WARMER

Infant warmer to be used in neonatology.
The unit should conform all relevant international, national and local standards.
Specifications
Temperature control:
• Range 30-38° C
• Skin range 25 – 42 °
• Increment 0.1°

• Display Digital
Control Unit (to be supplied with.)
• Automatic heat control type
• Set point mechanism
• Heater Indicator.
Alarms (Audible and Visual)
• High air temperature
• Sensor disconnect
• Power Failure
Alarm in manual mode: every 15 minutes with automatic shutoff
The warmer should includes:
• Self- check features
• Breaks for casters
• Skin sensor
• Supplemental humidity
• Protection against breaks and bursts of radiant and light source
• Spares and accessories
• Service and users manuals
Accessories:
• No. of hand ports 6
• No. of tubing ports 6
• No. of oxygen inlet port 1
• Backup thermostat
Examination Light 50 W Halogen
Radiant heat source Quartz tube 600w
• Phototherapy lights
• Resuscitation equipment packages
• X-Ray cassette holder

Item No: 10
BILIRUBINOMETER

Microprocessor Controlled
MAIN CHARACTERISTICS: -
-Auto zero Function
-Handles hemolysis and turbidity easily
-Easy set of the sample tube
-Alarm lamp informs user of abnormalities
-Flexible power source
-Easy lamp replacement
TECHNICAL SPECIFICATION: -
-Filters :461nm & 551nm
-Measurement Range: 0-30 mg/dl (Total Bilirubin)
-Correcting hemolysis: 0-250 mg/dl HbCV

-Measuring accuracy :+-5%
-Sample Volume :20-30ul
-Alarm Display : 3-1/2, 7-segment red LED
-Sample container : Hematicrit capillary tube
-Light Source : 6V, 1.5A tungsten lamp
-Photocell : Silicon photocell
-Power supply 90-240 VAC 50/60Hz, 35w
-Dimensions :Approx.280mm (w) x230mm (D) x120mm(H)
Suitable centrifuge to be quoted

Item No: 11
COMBINED A & B SCAN MACHINE

The following requirements must be met
· High resolution dedicated A and B, ophthalmic scanning unit B scan will cross vector.
· The system should consist of fourth generation microcomputer and high speed digital electronics, with highest resolution monitor.

Technical features:

· A-scan
· Three a scan modes
· Auto biometric, manual biometric, diagnostic
· Complete IOL program capabilities include SRK1 SRK11 SRK. T Hollady or Binkhorest formulas.
· Save in memory capacity at least 45 cases for a-scan images and corresponding IOL data.

· 10mhz solid probe
· The unit should incorporate, audio feed back for probe alignment.

· B-scan
· 256 gray levels
· User definable, DGC curve
· Pre & post processing capabilities.
· Volume, distance and area/ perimeter measurement
· Selectable a-vector for simultaneous A/B display.
· Annotation/arrow placement
· Archiving of at least 150 patients in a single data file with an unlimited number of data files possible.
· Complete IOL calculation capability with IOL data storage.
· B-scan sector angle at least 55°

· Standard accessories should include :
· Console with 7'' display
· Alphanumeric keyboard
· Trackball
· Foot pedal
· 7&10 MHz, A-B scan probe

· A scan calibration cylinder
· Probe holders etc.
· 100 & 12.5 MHz, A-B scan probe
· Vendors may quote other accessories

Item No: 12
CPM UNIT

The lower extremity Continuous Passive Motion machine including accessories
Range of Motion
Hyperextension - 10° to flexion 120°
Speed: 30°/minute to 160°/minute
Dimensions: 94 x 33cm (L x W) approx.
Voltage: 100 to 240 volts, 50/60Hz
Patient Sizing: Full leg 71 to 104cm Tibia 38 to 58cm, Femur 33 to 46cm
It should conform to the international standards ISO 13485, CE certified.
The Upper extremity Continuous Passive Motion machine including accessories
Elbow
CPM with base including accessories
Range of motion:
Flexion: 135°
Extension: 0°
Pronation/Supination: 90°
Speed (cycle of 0°-135°): 3 min 50 sec to 1 min
Patient height: 140 to 190cm
Dimensions: 72 x 65 x130cm approx.
Voltage: 110/240 volts 50/60Hz
Upper extremity CPM including accessories
Provides increased ROM and greater patient comfort With improved control features such as the ability to make quick adjustments,pause features
A visual biofeedback mechanism, and progressive protocols for consistency
The machine can be used for isolated or synchronised movement training
Hand and wrist CPM should have following accessories
Allows simultaneous motion of the three phalanges, matching the physiological spiral of flexion and allowing the formation of a true composite fist
Versatile and cost effective: accommodates the fingers, thumbs and wrist (either right or left hand ; from the smallest to the largest adult)
Easily portable for use in the hospital room, therapy
It should conform to the international standards ISO 13485, CE certified.
Patient safety switch.
Timer - 0 to 99 min.
Hold period - 0 to 90 sec.
Buzzer - buzz after preset time adjusted.

Item No: 13
DENTAL UNIT COMPLATE

1. Dental Chair

The chair should be designed to provide good ergonomics, hygiene and aesthetics. The design also enables the operator to be close to the patient so as to provide optimum vision of the operating field and safe control of all component devices.

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

1.2 Supplied with 8 button footswitch for user friendly.

1.3 The backrest should be thin. Choice of Back rest

1.31 Contoured back rest.

1.32 Slim back rest or

1.33 Slim back rest with arms slings

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

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

1.6 Base plate should be Cast Aluminum. Plus a tough urethane coating that enhances corrosion resistance and protects treatment room floors

1.7 Upholstery can be cleaned with disinfectant Solution.

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

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

patients & should be reversible for wheel Chair patient.

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

1.11 Should have integrated 80 Watt power supply for Fibre optic Handpieces, Piezo Scaler,electric motor etc.

2. Dental Unit

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

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

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

2.4 Autoclavable Quick Disconnect 3 in 1 water syringe.

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

2.6 All water tubes should be AlphaSun. An antimicrobial additive that becomes part of the tubing material itself and inhibits the ability of bacteria to attach to the tubing surface by ionic silver exchange

2.7.Ultrasonic Piezo scaler

2.8.1 Wide power range from 2VA to 26 Va

2.8.2 Auto power control adjusts instantaneously to resistance at the tip

2.8.3 deleted.

2.8.4 Wide procedural applications from prophy to endodontics.

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

2.9 Tray holder

3. Cuspidor

3.1 High and low Air suction. The suction system should be with separating tank and automatic self cleaning separating tank to allow continuous draining.

3.2 Autoclavable saliva ejector.

3.3. Autoclavable High volume evacuator

3.4 Autoclavable syringe.

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

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

3.7 Clean water bottle System.

4. Operating light.

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

4.2 Should have normal auto mobile halogen bulb

4.3 Feathered-edge, balanced-intensity light pattern

4.4 Optically designed reflector

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

.4.6 Color temperature to be 5,000 K.

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

4.8. BTU's per hour should be 325.

5. Doctor's Stool

5.1 Cast-aluminium base with five tile casters

5.2 Two-way adjustable lumbar support

5.3 Integral gas cylinder for height adjustment.

5.4. Height range 470mm – 635mm

6. Assistant's stool

6.1 Cast-aluminium base with five tile casters.

6.2 Height adjustable torso support with height adjustable foot-ring

6.3 Integral gas cylinder for height adjustment.

6.4. Height range 572mm – 737 mm.

7. Accessories

7.1 Contra angled hand piece - 1 no.

7.2 Straight hand piece - 1 no.

7.3 Contra angled micro motor - 1 no.

7.4 Fibre optic hand piece - 1 no.

7.5 Light cure unit - 1 no.

7.6 Compressor - 1 no.

8. Certification (for all the above)

8.1 US-FDA approved.

8.2 CE-approved

8.3 ISO-approved

8.4 EMC test certificate

8.5 BSI Service Quality certificate

Item No:14
ELECTROLYTE ANALYZER

Fully automated ph/blood gas/electrolytes analyzer, measures the following parameters pH pCO2 and pO2 and barometric pressure, Na, K, Ca, Cl, Ct, Thb, HCl

Analyses per hour should not be less than 36

Sample volume should not exceed 110 µl for all parameter

All calibration and cleaning cycle should be fully automated with user selectable calibration times

The electrodes provide should be zero maintenance including the reference electrode.

The system should have onboard data management to store all patient result and calibrations.

A power fault protection for 20 minute to keep all calibration and programmed data

The system should have a screen to access all system software and to display the patient results.

A built –in printer should be provided to print out patient result

The system should have a patient data, new reagents and new electrodes. Startup kit 1000 samples, essential spares.

The system should work on discrete testing, i.e. Selectable parameter testing.

Regarding stand by mode and use of reagent during non functioning status

Optional use of only Ca+ or only Na+ & K+ to save reagents.

Item No: 15
FULLY AUTOMATED ELISA READER WITH WASHER

1. Description of Function

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

2 Operational Requirements

2.1 Only ELISA Reader is required.

3 Technical Specifications

3.1 OPTICAL SYSTEM

Digital light control

8 measurement channels including 1 reference.

Single and dual wavelength measurement with facility for kinetic measurement

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

Measurement Range 400-700nm

Indication Range 0-2.999 abs

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

Resolution 0.001 abs

Inbuilt Filters: Narrow band interference

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

Built in Windows based software programming software.

3.3 MEASUREMENT MODES

Plate shaking mode for sample mixing selectable speed and time)

Flexible blank mode setting

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

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

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

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

3.4 Adjustable for different micro plate geometrics

3.5 Halogen Lamp 20 - 40 W.

3.6 16 digit alphanumeric fluorescent display

3.7 Membrane keyboard.

Technical Specifications for washer

1 Auto strip washer for 96 well plates / strips

2 1 x 8 strips/ 1x12 strips.

3 Dispensable wash volume 50 - 300 µl.

3.a Residual wash Volume -<0.5µl

4 Aerosol Shield for user safety.

5 In built shaking facility

4 System Configuration Accessories, spares and consumables

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

Maintenance kit to be provided.

4.1 System as specified-

4.2 Halogen Lamps : 2

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

4.4 Dust cover.

5 Environmental factors

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

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

6 Power Supply

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

6.2 Resettable over current breaker shall be fitted for protection

6.3 Suitable voltage corrector/stabilizer

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

7 Standards and Safety

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

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

7.3 Should be FDA or CE or ISI approved product

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied

8.2 Certificate of calibration and inspection from factory.

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

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

8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.

The job description of the hospital technician and company service engineer should be clearly spelt out

Item No: 16

FULLY AUTOMATED RANDOM ACCESS BIOCHEMISTRY ANALYZER

Multi parameter and discrete analyzer including electrolyte with computer and printer.

· Capable of analyzing all routine bio-chemistry analysis including electrolytes (ISE –Module)

· Throughput up to 320 test/hour, on 24 hours basis.

· Capability up to 40 samples/run and up to 20 different at any one time

· On board refrigeration for reagents.

· Integrated computer system for data management and storage data.

· Sample volume can be adapted to paediatric samples (micro analysis)

· Calibration and maintenance requirement is minimum.

· To be supplied with 90 Litre/hour multi-stage with 3 different grades of water (3 separate filter) and deionised.

· Tests to be analyzed by pre-analyzer, LFT, liquids, total protein, calcium, phosphorus,magnesium amylase,, sodium, potassium, bicarbonate, chloride urea, creatine and glucose etc.

· Battery backup minimum for 30 mins.

With complete accessories as cuvette, startup kit, consumables, cup 1000 etc.

Stat sample facility.

On-board loundry system.

Minimum 10 filters ranges from 300nm to 700nm next different 20 bio-chemistry reagent can be placed at reagents segment.

True random selection possible with self detection of test.

continue sample loading facility with self detection of test.

Item No: 17
HOLTER RECORDERS AND ANALYZERS

1 It should have FDA clearance and CE certification

2 It should meet and exceed the requirements of ANSI / AAMI EC 38

Holter Recorders

1 It should be small and lightweight recorder

2 It should be capable of simultaneous real time acquisition of 3 channel and 12 channel recording.

3 Recorder should have LCD display to preview ECG waveforms during the patient hook up and have lead quality check function.

4 it should have capability of continuous recording for 24 hours and 48 hours / 7 days.

5 It should have al least 24 hours with single battery.

6 The recorder should be water resistant.

7 Recorder should be battery operated and have single AA/AAA battery or rechargeable in built sealed battery with recharging unit supplied.

8 It should have internal memory for 99 full disclosure readings.

9 It should have advanced signal processing algorithms to provide superior accuracy in beat detection, labeling and noise rejection.

10 It should be a 12 channel analyzing system.

11 it should have capacity to download 24 hours data through USB port / standard connection port in less than 3 minutes.

12 Device should be defibrillator protected.

13 Recorder should have 1000s/sec/channel digital sampling rate for standard recording and internal storage.

14 Recorder should have compact flash card memory card.

15 it should be capable of pacemaker spike detection.

16 it is preferable if it supports voice recording capability.

17 It should include 2 sets of electrodes and patient cable to enable 3 and 12 channel recording.

18 It should come in 2 sets of patient hook up pouch and hook up accessories.

19 Should include compact flash card as required for each recorder with adequate capacity to store entire recording cycle.

20 It should include cable for connecting and downloading data to PC.

21 It should include compatible flash card reader.

22 It should include users guide and technical manual as well as quick guide and patient hook up instruction posters for easy reference and use.

23 It should include 100 sets of patient event recording diary and pens.

24 It should have two years warranty on recorder / memory card and 6 months for cable.

Analysis software + Hardware.

1 It should have multiple scanning options like retrospective,prospective and superimposition scanning modes, event and template review and be customizable.

2 It should have facility to convert final report into PDF and XML format that enables connectivity to data management systems.

3 It should have trend graphs for HR, RR interval, RR variance, 12lead ST, SVPB, VPB etc and provide graphic display options.

4 It should have different beat classifications.

5 It should have various rhythm analysis and ST measurements.

6 It should have 3 and 12 lead ST segment measurement analysis.

7 It should be capable of Pacemaker analysis including atrial,ventricular and dual chamber pacing and under / over sensing and capture failure.

8 It should support customizable report format including patient data, 24 hour profile, selective printing of rhythm strips and trends,summary statistics in tabular and narrative format and support user defined acronyms for comments.

9 The PC + Printer provided should be Intel Pentium IV 2.5 GHz and above and include minimum hard disk of 250 GB / DVD+RW drive or Blue Ray disc writer / USB port/4GB RAM/10"TFT color monitor,Laser printer. Should have one year on site warranty.

10 It should have capacity to archive into hard disk and DVD+RW /High density DVD / Blue Ray disk.

11 It should include licensed operating software for ready to use status along with reliable anti virus software. These should have back up provided on CD / DVD.

12 It should include external data back up / archiving facility and hardware.

13 All trainer manuals should be supplied and on site installation to complete satisfactions of end user.

14 Training of 2 technicians to operate and use the equipment and software to be provided at the company expense.

15 Assurance of 95% uptime and prompt provision of service back up for hardware and software with replacement to maintain operational equipment as required.

Item No: 18

LARYNGOSCOPE (FIBREOPTIC)

Field of View:75 Deg

Depth of Field:3-50 mm

Diopter: +2-8 Dptr

Tip Deflection:up/down 130 Deg

Distal Diameter:4.8mm

Insertion Tube Diameter:4.9mm

Diameter of Instrument Channel:2.2 mm

Working Length:580 mm

Standard Accessories.

Biopsy Forcep with Window-1 No

Cleaning Brush-1 No

Cylinder Cleaning Brush-1 No

Rubber Inlet Seals-10 Nos

O-Ring Set-1 No

Suction Cylinder Cl.Cap-1 No

Eyepiece Cap-1 No

ETO Ventinc Cap- 1 No

Halogen Light Source-1 No

Leakage Tester-1 No

Item No:19
MOBILE C-ARM IMAGE INTENSIFIER WITH DSA

Features - Generator

Microprocessor controlled High Frequency generator with 2.5kW or More with integrated beam filters to reduce patient skin radiation dose.

Collimator: IRIS or multi leaf

X Ray mode (kV & mA range):

kV- range : 40 - 110 kV

Fluoroscopy

a)Fluoroscopy should not exceed 5 mA .

b) Pulsed Fluoroscopy with last Image Hold

Radiography –

Radiographic mode for cassette exposures: minimum of 20mA

Image Intensifier:

9”or More Triple Mode Image Intensifier with Hi – resolution CCD Camera

Image Processing:

a) Minimum 12 bit Digital Fluoroscopy Imaging Unit with dedicated video pipe-line processor

b) Archival memory CD/DVD mode.

c) Detachable Cassette holder for film recording.

d) Complete Hi end and latest computer system with required licensed software for image capture,storage, post process, retrieval, print, transfer and patient data storage.

Image Display:

Two 18” TFT/ LCD High resolution, high contrast and flicker free Monochrome Monitors of at least 1024 X 1024 matrix .

Soft Tissue filters to be provided for better visualisation of soft tissues.

System Functionality:

Vertical ,Horizontal and Orbital Travel should be available

C arm rotation +/- 130 degree or more

The System should be DICOM ready

Accessories:

a)Wrap around light weight vinyl Lead Aprons with 0.5 mm lead equivalence certified by BARC or AERB or ISO : 6 (Six Nos.)

The system should perform DSA with acquisition of 6 frames per second or more, real time and peak hold , road mapping, annotation, re-masking and multi image display.

Warranty (as specified in the tender document)

1. Comprehensive WARRANTY for complete system including x-ray tubes and all vacuumatic items, II and all accessories.

CMC for complete system including x-ray tubes, all vaccumatic items, II and all accessories.

Acceptance tests as per International Standard should be carried out at manufacturing facility as well as installation site (including all Safety and QA tests)

Item No: 20
NEONATAL MONITOR

Patient monitor system should be of modular type and capable of monitoring neonatal patients.

Monitor should have 17" independent flat panel display.

Touch screen user interface

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

Should be capable of 8 traces display.

Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO2, invasive pressures (4), temperatures (2).

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

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

Haemodynamic and drug dose calculations should be available.

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

Respiration should be available with Cardio Vascular Artifact filter.

OCRG should be available for monitoring neonates.

ICP monitoring should be possible.

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

24 hours trend data should be displayed.

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

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

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

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

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

Position of the displayed waveforms must be user configurable.

Waveform color changing should be user configurable.

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

All modules should be compatible with all monitors quoted.

Bed to bed communication between the monitors should be possible without a central station

Networking to central station should be possible.

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

Should be compatible with HIS and should be HL7 compliant.

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

Should have CE and FDA certifications.

Should be upgradeable for EEG, BIS, SvO2,EtCO2 and Cardiac Output and price to be quoted separately

Accessories and spares

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

Item No: 21
OESOPHAGOSCOPE ADULT

Field of View: 100 Deg
Depth of Field:3-100 mm
Diopter: +2-8 Dptr
Tip Deflection:up/down -210/120 deg
Tip Deflection:right/left -120/120 deg
Distal Diameter:9.8mm
Insertion Tube Diameter:9.8mm
Diameter of Instrument Channel:2.8 mm
Insertion Working Length:1050mm
Total Length:1395 mm

Standard Accessories.

Biopsy Forcep with Window-1 No
Cleaning Brush-1 No
Cylinder Cleaning Brush-1 No
O-Ring Set for Suction Valve-1 No
Check Valve Set-20 Pcs
A/W Channel Cleaning Adapter-1 No
A/W Suction Channel Cleaning-1
Eyepiece Cap-1 No
Eyeshield-1 No
Bite Block-1 No
Silicon Oil-1 No
ETO Gas Ventinc Cap- 1 No
Halogen Light Source-1 No
Leakage Tester-1 No

Item No: 22

OPERATING ZOOM MICROSCOPE FOR OPTHALMOLOGY

MICROSCOPE:

· Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio. Magnification factor 0.4X to 2.4X.

· Focusing range 50mm, Objective lens f= 200mm, 65mm diameter.

· Binocular tube: Tiltable tube with integrated image inverter without any external attachment.

· Eyepices: 10X with +8D to-5 D compensator.

· Deepview: Depth of field management system for optimal depth perception & maximum light transmission.

ILLUMINATION :

· Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of Red reflex even with strongly pigmented decentered and ametropic eye.

· Retina Protection Device and contrast enhancement aperture.

· Integrated 408nm UV barrier filter/ Blue blocking filter/ fluorescence filter.

X -Y COUPLING:

· Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility. X-Y Range should be at least 60mm x 60mm adjustable range.

· Stereo co observation attachment with 360 Rotation -2 joints .

SUSPENSION SYSTEM:

· 14 function wireless foot control, Motorized foot controlled Zoom and focus with re-centering of focussing position through foot control. Image inversion facility on foot control.

· High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of atleast 14Kg or More.

· Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal.

· Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp with in built lamp housing with two lamps, with automatic Lamp changeover facility.

CCTV ATTACHMENT:

· 1CCD Camera with camera control unit, control unit should be integrated in the in the floor stand. Video o/p S video & analog through the stand & programming through LCD display in the floor stand.

NETWORKING:

· Ethernet interface for microscope i incl. 10 m cable

WIDE ANGLED VIEWING SYSTEM:

· Wide angled Non Contact observation/ viewing system (autoclave able) with field of viewing 120deg.(minimum). With independent foccusing

Item No: 23
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.

Blanket sizes – Adult upper body, Adult lower body, Adult Full Body, Cardiac Blanket, Pediatric blanket.(10 Each)

Item No: 24
PHACO EMULSIFICATION MACHINE

Graphic User Interface based on 8,4" color LCD and touch screen

Voice feedback for function selections-English.

Dual Linear footswitch, selection among 6 pre-programmed modes
Surgeon can store up to 10 user programs

I / A :

Vacuum level range progrmmable from 5 to 500mmHg (step 5mmHg)Closed system vacuum reading,(reading through a sterile silicone membrane), Reusable tubing, Reusable tubings are steam autoclavable up to 50 times or more

Irrigating pressure regulated by height of I V pole,Continuous irrigation-controlled by footpedal and key on touch screen.

Flow rate range 25 levels, programmable from 2 to 50cc/min (step 2cc/min)

Rise time programmable on the following 25 levels: 0.5, 0.52, 0.55, 0.57, 0.6, 0.63, 0.65, 0.70, 0.75, 0.77, 0.85, 0.90, 0.95, 1.05, 1.15, 1.25, 1.4, 1.5, 1.8, 2.1, 2.5, 3.0, 4, 6, 12 sec.

Panel or linear Vacuum control by the foot pedal

Ultrasound:

Operating frequency approx 40 Khz

Stroke range 5 to 100 micron, step of 5 micron controlled by "Adaptive Power Control", panel or Linear stroke control by the foot pedal

Operating modes : Continuous, Pulsed from 1 to 40 Hz, Single Burst, Multiple Burst, Continuous Burst- Available Pulse rates : 1,2,3,4,5,6,7,8,10,13,16,20,25,32,40Hz

Handpieces : 4 piezoelectric hand piece with 4 / 40 UNC thread for the U/S tip and 1/4-32 UNEF for the sleeve. (four crystals, titanium, ultra light) Handpiece natural titanium color, steam autoclavable up to 600 times or more, dishwasher-safe

U/S Tips: Coaxial Phaco with 4/40 UNC thread Incision size range from 2.2 mm upto 3.2 mm, Coaxila Phaco, Co-MICS, MMICS

19 GA, Color : gray (natural titanium),20 GA, Color : Blue, Co-MICS with 4/40 UNC thread

SLEEVES RANGE :

Silicone sleeve for 19 GA tips, Color : gray, thread 1/4-32 UNEF,Silicone sleeve for 20 GA tips, Color: blue, thread 1/4-32 UNEF

Vitrectomy:

Cutters reusable guillotine- Steam autoclavable. Adjustable port from 0.2mm up to 0.7mm, Pneumatic cutter Cutting range from 60 to 700 cut / min. Available cut rates : 60, 70, 80, 90, 100, 110, 130, 150, 170, 190, 220, 250, 280, 320, 370, 420, 480, 540, 620, 700 cut/min

Compressed air from integrated air compressor, Operating pressure 2.0 +0/-0.1 bars (28 +0/-1.5 PSI)

Panel or Linear cut rate control by footpedal

Diathermy:

Type : Bipolar Max power 7W @ 450hm, Power adjustment 5 to 100 % step 5,Operating frequency 2Mhz,Panel or Linear power control by foot pedal

Reusable diathermy forceps / Reusable diathermy pencil / Diathermy Bipolar Cable- steam autoclavable up to 50 times

Input voltge: 100/120/220/230-240 V(A.C.) selected, Mains frequency 50/60 Hz

Item No: 25
SUCTION MACHINE (PORTABLE)

Noiseless suction unit should have fast vacuum build up

Suction capacity should not be less than 50 ltr/ min.

Vacuum should not be less then -90 kPa/-675 (mmHg)

The unit should have vacuum display on the machine

Fitted on mobile stand with On/Off facility.

Mechanical overflow protection system.

Suction system should have piston/cylinder.

Twin Bottle capacity 3 Ltr. (unbreakable) with switchover facility.

The manufacturer should have CE & FDA approval Certificate.

Item No: 26
TMT

Stress testing system should be complete with PC, Software, Tread Mill, Patient acqusition module and necessary cables.

System should be based on windows platform with 17" color monitor having minimum resolution of 1280 x 1024, 80 GB HDD, CD-RW, Mouse, UPS for analyser.

System should acquire and analyze 12 leads and should store the full 12 lead resting / stress ECG

Should show a pictogram and indicate which electrode has a bad contact before resting / Stress recording.

Should be able to review retrospective average beat and ST values.

Should have user settable protocols.

Patient module should have USB connectivity.

System should provide standard Full interpretation of Supine ECG with reasoning.

Should provide display of real time 12 lead diagnostic quality ECG waveform,average complexes beat of all 12 leads with superimposed comparison along with ST level & slope and ST trend graph.

Automatic detecton, display, storage and review of arrhythmia, heart rate.

Should have running trends of ST available on screen during the test process.

Should have ability of comprehensive auto-measurement package including RR intervals, P-wave duration, PQ interval and QRS width.

System should have high quality filters for muscle and baseline noise without influence on the ST results.

Should have alarm levels for ST, HR and Blood Pressure.

Should have keyboard short cuts.

Capability to pause ECG screen view to find a past ECG event without loosing track of current real time ECG.

Capability to insert event marks during stress.

Capability to change ST points during stress.

Should have manual measurement cursors for P-wave, QRS and T-wave. Should allow to measure width (P, QRS, T-wave) and intervals (PR, QT etc.,)

Should have alarm levels for ST, HR and Blood Pressure.

Should be able to export QRS intervals from 12 lead Rhythm ECG, Stress / Resting

ECG report in word / RTF format and shluld be able to export raw ECG data.

Printing:

Should be able to print strips during stress or after.

Strips to be printed in 3 channel,s, 2x6 channels, 12 channels.

Print reports should be with summary table, event markers and stage information.

Should have average beat report with ST measurements.

Should have Trend graphs

System should provide multiple and customizable printing formats as per users choice on A4 size normal plain printing paper.

Heavy duty treadmill - imported. Noise free with speed ranging from 0.8 to 19 kph and have an elevation range of 0 to 25%.

Treadmill should provide smooth and safe operation.

Should have automatic belt alignment.

Treadmill should have 175 kgs weight(approx.) capacity with all metal chasis.

Should have emergency stop button.

Other Technical specs:

ECG sampling rate: 1000 Hz

ECG input voltage: 16mm Vpp

Noise voltage: 20uV

10 lead patient cable

Treadmill interface

Sugnal frequency range: 0.05Hz to 250 Hz.

Windows operating system.

PC Pentium latest workstation.

All consummables required for installation and standardisation of system to be part of the system.

Should have US FDA and CE certifications

Item No: 27
TRACTION UNIT

Should Have Continuous/Intermittent, harmonized/ Intermittent Progressive modes

Traction force should be adjustable from 2.5 Kgs to 91 Kgs.

Should have computerized automatic compensation.

Should Have Timer 1 to 99 minutes.

Speed of progressive modes. Pull should be adjustable.

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

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

Couch:

3 section electrically height adjustable couch.

Head section adjustable from -750 to +600.

Leg section adjustable from 00 to +750.

Head section with a breathe hole and plug.

Rolling lumber section (lockable).

Castors are standard.

Patient safety switch.

Item No: 28
UVB CHAMBER

The unit has 24 NBUVB Narrow Band UVB Tubes. (311nm)
Tubes from Phillips Holland 100W, 6Ft.
Special UV chokes for maximum life for the tubes.
The Unit is provided with imported mirror (from Italy) type reflectors.
Cabinet made of high quality Steel and powder coated.
In-built Multi Sensor dosimeter with Dynamic Range Angular Sensitivity (DRAS) Technology.

Cumulative hour meter is provided in embedded system with password.
Four line Liquid Crystal Display for the control panel.
Feather touch key pad provided.
Lock and Key provided for the control panel.
Personalized phototherapy patient data card is provided (100 nos.)
One year warranty against any manufacturing defects except for tubes.
Computer calculated arrangements of the tubes, enables an even illumination of the body in the treatment field.
All safety features provided with trippers and independent control for each panel.
Small space required (elegant & compact).
Large door, very easy to open from inside.
Plenty of space in the cabin for the patient.
Cooling system provided for each panel.
Easy to service and assemble (modular design).
The unit is provide with talking system.
Personalized Phototherapy Patient Data Cards Provide with the units.
Minimal heat development due to low current consumption.
Power Required 6KVA.

Item No: 29
500mA X- RAY UNIT WITH AUTOMATIC FILM PROCESSOR

A. Generator:

1. Generator should be high frequency/ inverter type for constant output
2. Output 50 KW or more.
3. KV range 40KV-120KV.
4. Output at 100KV should be 500Ma or more.
5. It should have automatic exposure control device.
6. It should have digital display of KV & mAs.
7. Anatomical programming radiography should be possible.
8. It should have over loading protection.

B. X-Ray tube and collimator:

1. The X-Ray tube should be rotating anode high speed, compatible with the generator and must have dual focus. Focal spots of the following sizes:

Large focus: 1.2/2.0mm or better

Small focus: 0.6/1.0mm or better

Tube with anode heat storage capacity 150KHU or more.

2. Motorized collimator having additional filters (fore dose reduction) and auto shut provision for the light.

C. X-Ray table:

1. Horizontal table with floating table top.

2. It should have transverse +/-10cm or more and longitudinal movements +/- 35cm or more with electromagnetic brakes.

3. It should be thin table top.

4. It should be provided with bucky which can hold all standard sizes of cassettes up to 14"X17".

5. Bucky should have a grid ratio 12:1 or more with 40 lines per cm.

D. Vertical bucky stand:

1. It should have provision to do chest radiography without grid.

E. Essential accessories: The following essential accessories to be provided with the unit:

1. Voltage stebilizer of required capacity, the capacity and make of the voltage stabilizer should be specified.

2. Lateral cassette holder-one, lead screen, apron etc

H. Warranty:

1. Warranty of 24 months of all parts as well as accessories and auxiliary units supplied with the main equipment including X-Ray tube.

Fully automatic film processor (to be installed in the dark room)

A. Operational requirements:

1. The automatic processor should be able to process a minimum of 60 films of 14"X11"

B. Technical specifications:

1. Should accept all film sizes available in diagnostic radiology.

2. The processing time should be variable depending upon the mode selected

3. The assembly should be made of material, which is non corrosive and of latest technology. Specify the material used.

4. The main drive should stop automatically during idle time to prevent wear and tear and remain ready in standby.

5. Microprocessor controlled switches and thermostatic control should maintenance of temperature of developer between 30 to 35 deg C.

6. The replenishment containers should have capacity of at least 25 litres and the replenishment should be automatic.

C. Power supply:

1. Appropriate voltage stabilizer should be quoted with the unit.

Item No: 30
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 –40º C and relative humidity of 15-90%

5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -40º 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: 31
OT 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: 32

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: 33
AUTO ANALYZER
(AUTOMATIC BIOCHEMISTRY ANALYZER-RANDOM ACCESS)

1.Multi parameter and discrete analyzer including electrolyte with computer and printer.

2.Capable of analyzing all routine bio –chemistry analysis including electrolytes (ISE- Module).

3.Throughput up to 600 tests / hour , on 24 hours basis.

4.On board refrigeration for reagents.

5. Integrated computer system for data management and storage data.

6. Sample volume can be adapted to paediatric samples(Micro analysis)

7.Calibration and maintenance requirement is minimum.

8.Capable of closed primary tubes for sampling.

Item No: 34
CARDIOTOCOGRAPH (CTG) MACHINE

It should be portable, compact, light weight, simple to use with user friendly features.

It should be battery operate, compatible with bed side and ambulatory monitoring upto 100 m distance.

It should have clear visual display in colour with digital screening process technology.

It should be integrated to show foetal heart rate accurately in beats per minute intrauterine pressure,changes, maternal vital signs like blood pressure, maternal E.C.G, pulseoximetry and temperature.

It should have automated fetal movement detection and maternal sensed fetal movement marker on display.

It should have twin variant compatibility to record twin traces simultaneously in two different colour graphs.

It should have user defined alarm setting to pickup signals for fetal Tachycardia , Bradycardia and loss of contact.

The transducer for the foetal heart rate and toco should have colour code and water proof with safe low voltage monitoring.

The CTG unit should be able to store atleast 100 CTG and enable for memory feature for accurate reproducibility.

Internal battery should enable continuous (at least 4-6 hours) of monitoring and rechargable .

The trace should give high accuracy printing (integrated) and should be connectable to a Pc compatible printer.

Optional of GSM model cord flow doppler module for spectral colour doppler is preferable.

The parts should be easily available & replacable.

Item No: 35

ENT OPERATING MICROSCOPE

Magnification- 4x to 25x in 5 steps.
Field of view – 52 mm to 8 mm.
Interchangeable objective lenses- 200mm, 300mm & 400mm.
Eye Piece -10x (Binocular)
Interpupillary distance- 54 mm to 72mm.
Diopter setting - 4D.
Fine focussing -Manual -24mm.
Axial tilt of head - 90º
Lateral tilt - 30º
Built- In cold light source with fibre optic light guide.
Back up lamp.
Light source- 15V, 150W halogen lamp (Co-axial).
Intensity - minimum of 1,00,000(variable) LUX.
Heat absorbing . red &green (IR &UV) filters .
Power supply – 220-240 V , 50Hz AC.
Single demonstration eye piece(Extra).
CCTV / 35mm camera adaptor/ attachment.
CCD or 35 mm camera.
Observer Monitor

Item No: 36

HARMONIC SCALPEL(TRIPOLAR VESSEL SEALING)

It should be a tissue sealing device that can simultaneously transects seals vessels with at least 7mm-10mm, large tissue pedicles and vascular bundles with minimal thermal damage to the tissue (~ 1mm) during laparoscopic surgeries.

It should be enabled to use under water / saline efficiently.
It should came with reusable shaft size of 5mm.
It should provide rapid hemostasis.

Electro Surgical Diathermy unit:-

It should have a high frequency system for use in both open and endoscopic surgeries.
It should have at least two monopolar output and two bipolar output with preferably argon gas flow.
The monopolar output should cut at approximate 350 to 400 Watts power output.
The monopolar output for coagulation should be at least 320 Watts.
The bipolar sealing output should be 300 Watts and bipolar cut out put should be at least 120W.
The main current should be at least 6 Amp power input max 40 W.
There should be screen display showing the monopolar and bipolar output.
It should be user friendly , simple , speed precision and safety standard.
It should be integrated for 99 individual memory location with programme storage facility.

Standards:

It should be classified to type CF; DN defibrillation proof with approval mark of conformity CE 0297.

The approximate weight should be 8kg-10kg and dimension within 400x200x350mm.

Accessories

Bipolar scissors for both open and laparoscopic surgery for fast and safe hemostasis.

Bipolar clamp for sealing vessels or tissue bundles in open surgery without any lateral thermal damage.

Monopolar and bipolar cable with patient plate.

Item No: 37

HYSTEROSCOPE

The telescope should be 30º, 4mm diameter of E class.

The operating sheath should have a size of 5.4mm with channel for semirigid 5fr operating instruments with 1 stopcock and luer- lock adaptor.

The continuous flow operating sheath should be of size 6mm with stopcock and luer lock adaptor.

Biopsy and grasping forceps should have double jaws, semirigid, 5fr with length of at least 34cm.

The scissors should have single action jaws, semirigid, 5fr with length of at least 34cm.

The working element set for TCRE should have angled , cutting loop, coagulating ball electrode, coagulating needle electrode.(In rest position, the electrode tip should be inside the sheath) high frequency cord,it should have spring action for the cutting instrument like curette and knife.

Resectoscope sheath should include channel for continues irrigation and suction of at least 8mm diameter and insulated for use with working element.

All the instruments should be light weight , easily assembled and compatible with standard light source and monitor.

Item No: 38

RANDOM ACCESS CHEMILUMINESCENCE IMMUNOASSAY SYSTEM

1. Extensive test menu, ease of use, reliable and robust hardware.
2. High through out of up to 200 tests per hour with random access.
3. Enzyme amplified enhanced chemiluminescence's technology.
4. Bar-coded stored master curves with two point calibration.
5. On board reagent refrigeration up to 24 resident assays or more.
6. Continuous agitation enhances reaction kinetics preferable.
7. On board dilution.
8. State-of-the art, icon-driven Microsoft @ windows software with touch screen.
9. Real time system monitoring.
10. Customized patient reports.
11. Display quality control data in levey Jennings plot.
12. LIS interface with host query- Bidirectional.

13. Complete torch menu.
14. Complete assays for maternal screening.
15. Use of primary tubes for sampling.

Item No 39

TYMPANOMETER WITH ACOUSTIC REFLEX

1. Probe Tone
Frequency: 226HZ, ± 3%
Level: 85.5dB, ± 2.Ocm3 coupler
Harmonic Distrotion : < 5%
2. Admittance (Compliance)
Uncompensated (ECV + Tymp peak): 0.0 to5.ocm3
Compensated Range: 0.0 to 1.5cm3 to 3.0.cm3
3 Pressure
Volume Range: 0.2 to 6.0cm3
Range: +200 to -400 daPa
4. Tymp Test Time
Approximately one second
5. Gradient
Tymp pressure width at 50% of peak admittance
6. Reflex
Frequencies: 500, 1000, 2000, and 4000Hz
Accuracy: ± 3%
Total Harmonic Distortion: < 5%
Rise /fall Time: 5 to 10msec
Output Levels:
IPSI: 500 and 4000Hz; 80, 90,100 Db HL,
1000 and 2000 Hz: 85, 95,105 dB HL
Pressure: Automatically set to pressure at peak compliance with an offset of 20 daPa
Determination; Compliance change of 0.05cm3 or greater Test Time: 1 to 12 Seconds.

Item No 40

VACUUM EXTRACTOR WITH ACCESSORIES

Machine should be easy to handle and compact.

Light weight and portable.

It should have double releasing pressure system.

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.

Easy to view operation panel indicator for pressure .

The pressure once built should be retainable and maximum pressure built up to 700mm Hg or 100pa.

There should be a vaccum regulator and also selector option for abortion extraction.

The suction cup should be variable size of 25mm to 60mm and caesarean cup.

The cups should be of high silicon material or of autoclavable element(steel)or compatible for cold sterilization.

The suction tube should be autoclavable with lock joint and of different diameter.

Optional abortion cannule set should be provided for performing early pregnancy MTP.

Preferable option of foot operation for generating pressure

Item No 41

EMERGENCY RESUSCITATION KIT ADULT (IMPORTED)

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

a. Tip Distal Bending 40°.

b. To be movable eyepiece

c. To have a light source connection

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

e. ET tube holder should be provided

f. Should take min. 5.5 size of ET tube

2. Portable LED light source should be provided

i. with illumination not less than 50000 Lux

ii. should run on two 3v photo batteries

iii. burning life should be more than 100 minutes

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

v. life of LED should be close to 50000 hrs

3. One Laryngoscope with rechargeable battery pack and blade with fibreoptic mechanism should be provided to be used on both adult and pediatric patients with charger.

4. Other accessories like, magill forceps should be provided.

5. Should have Emergency Cricothyroidotomy for pediatric and adult

i. disposable blades

ii. dialator

6. Should have Combitube size 37Fr.

i. with complete kit

7. Should have Intubating Laryngeal Mask Airways with Following Components:

a. ILMA Sizes 3 & 4.

b. ILMA Tubes ID 7mm & 7.5mm.

c. Tube Stabilizing rod

d. Cuff deflator

8. Should have Laryngeal Mask Airways i. sizes 1,2 and 4

9. Handy and strong brief case/bag should be provided to keep all the instruments safe.

10. Set of disposable percutaneous tracheotomy kit for adult and pediatric.

11. Should have standard AMBU bag for pediatric and adult.

12. Mechanical suction pump with suction catheter and stomach tubes.

13. Should have Aluminum Oxygen reservoir 2 Liter with oxygen tube and cather.

14. Oxygen pressure reducer, regulable 0-15 liter with coupler for respirator.

15. Ventilating bag

16. Lubricant
17. Blood pressure meter, boso K-II
18. Stethoscope
19. Rescue blanket gold/silver
20. Infusion system.

Item No 42

O T TABLES FOR GENERAL SURGERY & GYNAECOLOGY

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

Should have following features:

- Battery (1 week/ 60-70 operations on Single Charge) and mains operation.
- Stable base construction with 4 double swivel castors for easy motion and manoeuvring (locking of the double swivel castors via a foot pedal)
- Base cover and cover for the override control panel made of CrNi steel, resistant to impact, breakage and disinfectants

SFC padding (Special Foam Core) with multi-layer construction for exceptional comfort during patient positioning and utmost patient safety

Safe patient positioning due to optimum covering of table top joints

Column casing made of CrNi steel

Supporting bars for the seat and back section, leg plate sockets, joint covers and side rails made of CrNi steel

- Operating table top subdivided into 5 sections: head rest, upper back plate, lower back plate,seat plate & leg plates

If there are any malfunctions or If the corded hand control is defective, the operating table can be controlled using the override panel.Entire table top without crossbars, allowing intra-operative fluoroscopy

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

Should meet following Electrical Standards:

Battery charge level: electronic monitoring with optical indicator

Recharging of the batteries and supply of the operating table by means of a mains cord

- Nominal mains voltage /220/230-240 V frequency 50/60 Hz
- IEC 60601-1

Should meet following Technical data:

-Length of table top : 2075 mm

-Width of seat/lower back plate without side rails : 510 mm

-Width of seat/lower back plate with side rails: 560 mm

Max. Patient Weight -180 Kg

Should have following Electro hydraulic adjustments:

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

Adjustment options via corded hand control or IR remote control:

-Height with padding: 600 – 950 mm

-Trendelenburg/reverse Trendelenburg: + 25° / - 25°
-Lateral Tilt :15°
-Lower back plate: 60° / 50°
-Leg plates: 0° / 95 °
-Longitudinal Shift: 290 mm
-Body Elevator: 100 mm

Item No 43

BIPOLAR CAUTERY

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

It should have Auto start function.

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

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

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

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

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

Should have max. 50 watts (Bipolar) output.

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

Should have Membrane Key Button with Digital Display.

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

should be supplied with following accessory

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

Non sticking, insulated bayonet bipolar forceps with sintram tips.

0.7mm, 160mm.

1.0mm, 185mm

1.0mm, 200mm

Non sticking, insulated angled bipolar forceps with sintram tips

1.0mm, 200mm

Casper type, bayonet forceps:

0.5, 1.0, 2.0mm 195mm

1.0, 2.0mm, 220mm

250mm with button for Transphenoidal surgery

Yasargil type, bayonet forceps

0.4mm, 175mm

0.7mm, 195mm

1.3mm, 195mm

1.0mm, 215mm

1.3mm, 215mm

1.3mm, 235mm

Item No 44
BLOOD VESSEL SEALER

Vessel sealing upto 7mm vessels withstanding 3 times systolic blood pressure.
Vessel sealing instrument for open surgery with separate cable.
Vessel sealing instrument for laparoscopy with cutting facility.
Audio-visual alarm to indicate end point of sealing.
All accessories should be from same manufacturer to ensure compatibility.
All instruments should be autoclavable or single use.
Equipment should be US FDA approved.
Complete instruction and service manual shall be supplied.

Item No 45
DENTAL UNIT COMPLETE

1. Dental Chair

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

The design also enables the operator to be close to the patient so as to provide optimum vision of the operating field and safe control of all component devices.

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

1.2 Supplied with 8 button footswitch for user friendly.

1.3 The backrest should be thin. Choice of Back rest

1.31 Contoured back rest.

1.32 Slim back rest or

1.33 Slim back rest with arms slings

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

Should have the facility for Pivotal Arm rest.

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

1.6 Base plate should be Cast Aluminum. Plus a tough urethane coating that enhances corrosion resistance and protects treatment room floors

1.7 Upholstery can be cleaned with disinfectant Solution.

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

1.9 Chair should have multipurpose double articulating head rest for ease of adjustment for pediatric patients & should be reversible for wheel Chair patient.

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

1.11 Should have integrated 80 Watt power supply for Fibre optic Handpieces, Piezo Scaler, electric motor etc.

2. Dental Unit

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

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

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

2.4 Autoclavable Quick Disconnect 3 in 1 water syringe.

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

2.6 All water tubes should be AlphaSun. An antimicrobial additive that becomes part of the tubing material itself and inhibits the ability of bacteria to attach to the tubing surface by ionic silver exchange

2.7.Ultrasonic Piezo scaler

2.8.1 Wide power range from 2VA to 26 Va

2.8.2 Auto power control adjusts instantaneously to resistance at the tip

2.8.3 deleted.

2.8.4 Wide procedural applications from prophy to endodontics.

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

2.9 Tray holder

3. Cuspidor

3.1 High and low Air suction. The suction system should be with separating tank and automatic self cleaning separating tank to allow continuous draining.

3.2 Autoclavable saliva ejector.

3.3. Autoclavable High volume evacuator

3.4 Autoclavable syringe.

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

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

3.7 Clean water bottle System.

4. Operating light.

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

4.2 Should have normal auto mobile halogen bulb

4.3 Feathered-edge, balanced-intensity light pattern

4.4 Optically designed reflector

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

.4.6 Color temperature to be 5,000 K.

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

4.8. BTU's per hour should be 325.

5. Doctor's Stool

5.1 Cast-aluminium base with five tile casters

5.2 Two-way adjustable lumbar support

5.3 Integral gas cylinder for height adjustment.

5.4. Height range 470mm – 635mm

6. Assistant's stool

6.1 Cast-aluminium base with five tile casters.

6.2 Height adjustable torso support with height adjustable foot-ring

6.3 Integral gas cylinder for height adjustment.

6.4. Height range 572mm – 737 mm.

7. Certification (for all the above)

7.1 US-FDA approved.

7.2 CE-approve

7.3 ISO-approved

7.4 EMC test certificate

7.5 BSI Service Quality certificate

Item No 46
DENTAL X-RAY

Microprocessor controlled DC dental X-Ray machine

DC Dental X-Ray machine to offer consistent reliability, shorter exposures, reduced radiation, while maximizing image quality.

It should be used to operate with digital sensors, PSP, or film.

It should deliver, shorter exposure time and reduced radiation,

The main control panel should have minimum 20 exposure settings plus anatomical presets.fullyprogrammable

The X-Ray tube head should be supplied with 12'' cone

The X-Ray tube head should be 65 kV Fixed

The X-Ray tube head should be 7 mA fixed

Should have Focal spot less than 0.6 mm for significantly sharper images.

Minimum exposure should start at 0.02

Focal length standard 12 inches

Line voltage 115V, 60 Hz or 230V, 50 Hz or workable in Indian conditions.

The cone should have movement in radius of minimum length of 2 meters from the wall.

The Tube Head should move on a track ball with 720 degrees movement.

The exposure switch should be cordless & should have full function data in the switch to enable operator to select the program & click from remote place

Item No 47
FETAL MONITOR

The Uunit should be compact

The unit should be CE certified

Should have Color TFT with tilt adjustments

Must have Twin monitoring facility

Should Waveform display and digits simultaneously

Pulse Doppler with 9 elements for better sensitivity

Advanced Digital Signal Process (DSP) Technology

Battery backup up to 3 hours

Inbuilt high resolution thermal array printer

Patient Data storage of 10 hours

Automatic Fetal Movement detection

Ultrasound

Technique:Auto corellation

Frequency:1 MHZ

Measurement range:50 to 210 bpm

Resolution:1 bpm

Intensity:< 10m W/sq cm

High alarm range:160, to, 180 bpm

Low alarm range:90, to, 120 bpm

Scaling:20 bpm

FHR chart width:7 cm

Toco
Technique:Strain gauge sensor element
Measurement range:0-100 Units
Chart width:4 cm
Resolution:1 mm Hg
Recorder
Type:High resolution thermal printer
Chart speed:1/2/3 cm/min
Record paper:Z fold, Thermo sensitive paper
Electrical
Power supply:100-240 VAC 50Hz ± 10%
Power consumption:< 40 W
Inbuilt battery:Re-chargeable 8.4 V Li-ion
Battery operating time:3 hours
Speaker:1 W
Memory:10 Hrs
Display
Type:Color TFT LCD display size 7-10" with tilt adjustment
Unit should be provided with mobile cart and covers.
· Alphanumeric keyboard for character entry and character display
· Gynecology measurement facility for uterus, cervix, special probe for gynecology to be provided 3.5mhz linear probe, 3.5mhz convex probe, ultrasound gel, biopsy attachment and black and white video printer with at least 10 no. Rolls, mobile stand.

Item No 48

ORTHOPAEDIC SURGERY INSTRUMENTS SET

DHS/DCS INSTRUMENT SET x 1 Set

DHPS Adjustable Drill Guide 1
Guide Wire w/thread 2,5 x 230 mm 10
Ruler 1
Wrench with T-Handle 1
T-Handle, large 1
Triple Reamer, complete 1
12,5 mm Tap 1
Centering Sleeve, short 1
Centering Sleeve, long 1
Impactor 1
Coupling Screw, short 2
Guide Shaft for 6900-0-0051 1
Coupling Screw, long 1
Aluminum Case, Red 1
TRAY DHS LOWER Tray 1
TRAY DHS UPPER 1
A.O Plating Instrument Set 3.5mm x 2 Sets

Drill Bit 2,5 mm/ 110 mm 2
Drill Bit 3,5 mm/ 110 mm 2
Countersink 2,7 mm/ 4,0 mm 1
Tap 3,5 mm Cortex 2
Tap 4,0 mm Cancellous 2
Insert Drill Sleeve 2,5 mm/ 3,5 mm 1
Double Drill Sleeve 2,5mm / 3,5mm 1
Drill Guide Neutral & Load 3,5 mm 1
T-Handle, small 1
Screwdriver Shaft 2,5 mm Hex 1
Screwdriver 2,5 mm Hex 1
Holding Sleeve 3,5 mm/ 4,0 mm 1
Verbrugge Forceps 190 mm 1
Reduction Forceps, narrow, 130 mm 1
Reduction Forceps w. point, 130 mm 1
Reduction Forceps, serrated, 140 mm 1
50 mm Depth Gauge 1
Bending Iron 2,7 mm/ 3,5 mm right 1
Bending Iron 2,7 mm/ 3,5 mm left 1
Bending Iron for Kirschner Wires 1
Bending Pliers for 1,5mm/ 2,0mm Plates 1
Bending Template 3,5 mm 7 holes 1
Bending Template 3,5 mm 9 holes 1
Hohmann Retractor 8 mm 2
Hohmann Retractor 15 mm 2
Sharp Hook, 150 mm 1
Perisoteal Elevator 6mm 1
Pick Up Forceps 3,5 – 6,5 mm Screws 1
Kirschner Wire 1,2 x 150 mm 10
Kirschner Wire 1,6 x 150 mm 10
Kirschner Wire 2,0 x 150 mm 10
Holding Clamp for Washers 2
Aluminum Case, Red 1
Tray Small Plates 1
Tray (Upper Instrument s 1
A.O. Plating Instrument Set 4.5mm x 2 Sets
Drill Bit 3,2 mm/ 145 mm 3
Drill Bit 4,5 mm/ 145 mm 2
Countersink 4,5 mm/ 6,0 mm T-Handle 1
Tap 6,5 mm Calibrated 1
Tap 4,5 mm Calibrated 2
Insert Drill Sleeve 4,5 mm/ 3,2 mm 1
Double Drill Sleeve 4,5 mm / 3,2 mm 1
Double Drill Sleeve 6,5 mm/ 3,2 mm 1
Universal Drill Guide 4,5 mm 1

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

CANNULATED SCREWS INSTRUMENTS SET 7.0mm x 1Set

Washer 19,0 mm 6
Double Dril Sleeve 4.5/3.2mm 1
Screw Driver 3.5mm Hex 1
Holding Sleeve 1
Pick Up Forceps 3,5 - 6,5 mm Screws 1
Drill Bit 2.0mm 1
Drill cannulated, 5,0 mm 1
Cannulated Tap 7,0 mm 1
Cannulated Countersink 7.0mm 1
Cannulated Screw Driver 3,5 mm 1
Protection Sleeve 11,0 / 8,0 1
Guide Wire w/thread 2,0 x 230 mm 10
Ruler for Cannulated Srews Ø 7,0 1
Cannulated Drill Bit 4.5mm 1
Cleaning Stylet 2.0mm 1
Parellel Drill Guide 1
Holding Clamp for Washers 1
Aluminum Case, Red 1
TRAY Cannulated LOWER 1
TRAY Cannulated UPPER 1
Parallel Wire Guide 1
Trocar 2.0mm 1
Drill Sleeve 4.5/2.0mm 1
Drill Sleeve 8.0/4.5mm 1
Protection Sleeve 11,0 / 8,0 1

CANNULATED SCREWS INSTRUMENTS SET 4.0MM x 1 Set

Threaded Wire 1.2mm 1
Ruler for 3.5mm Cannulated Screws 3.5mm 1
Cannulated Drill Bit 2.7mm - 1.35mm 1

Cannulated Drill Bit 3.5mm - 1.35mm 1
Cannulated Countersink 3.5mm 1
Cannulated Tap 3.5mm 1
Cannulated Screw Driver - Hex 3.5mm 1
Holding Sleeve 2.7/3.5mm 1
Quick Coupling Handle 1
Screw Driver Shaft 2.5mm Hex 1
Double Drill Sleeve 2.5/3.5mm 1
Double Drill Sleeve 2.7/1.25mm 1
Drill Guide With Stop 3.5/2.7mm 1
Cleaning Stylet 1.25mm 1
Holding Clamp for Washers 1
Screw Pick up forceps 1
Wire Instrument Set x 1 Set
Wire Cutter, 220 mm 1
Vice Grip, 180 mm 1
Wire Tightener 1
Flat Nosed Pliers, parallel, w/o Wire Cutter, 180 mm 1
Wire Passer 45 mm 1
Wire Passer 70 mm 1
Kirschner Wire 1,0 x 150 mm, trocar / round 10
Kirschner Wire 1,2 x 150 mm, trocar / round 10
Kirschner Wire 1,6 x 150 mm, trocar / round 20
Kirschner Wire 2,0 x 150 mm, trocar / round 10
Kirschner Wire 2,5 x 150 mm, trocar / round 10
Kirschner Wire 3,0 x 150 mm, trocar / round 10
Cerclage Wire, soft, Ø 1,0 mm 1
Cerclage Wire, soft, Ø 1,2 mm 1
Cerclage Wire, soft 1,0 mm, 280 mm, with eye 1
Cerclage Wire, soft 1,2 mm, 280 mm, with eye 1
Twisting Plier TC 2
Wire Bending Pliers 1
Wire Cutter 1
Aluminum Case, Red 1
Tray (Lower/upper) 1
Tray (Lower/upper) 1
Bone Forceps Set x 1 Set
Verbrugge Forceps 240 mm 1
Verbrugge Forceps 260 mm 2
Verbrugge Forceps 280 mm 2
Reduction Forceps, broad, 130 mm 1
Reduction Forceps w. point, 205 mm 2
Reduction Forceps, serrated, 170 mm 1
Reduction Forceps, serrated, 240 mm 1
Aluminum Case, Red 1

Tray (Lower/upper) 1
Tray (Lower/upper) 1
Set for removal of Broken Screws x 1 Set
Hollow Reamer for 3,5/4,0 mm screws 1
Spare Reamer Tube for 3.5/4.0mm Screws 1
Extraction Bolt for 3.5/4.0mm screws 1
Hollow Reamer for 1.5 mm screws 1
Extraction Bolt for 1.5mm screw 1
Spare Reamer Tube for 1.5mm screw 1
Hollow Reamer 4.5mm 1
Spare Reamer Tube for4.5mm 1
Extraction Bolt for 4,5 mm screws 1
Hollow Reamer 2.0mm 1
Extraction Bolt for 2.0 mm screws 1
Spare Reamer Tube for 2.0mm 1
Hollow Reamer for 6,5/7,0 mm screws 1
Spare Reamer Tube for 6.5/7.0mm screws 1
Extraction Bolt for 6,5/7,0 mm screws 1
Hollow Reamer for 2.7 mm screws 1
Spare Reamer Tube for 2.7mm screw 1
Extraction Bolt for 2.7mm screw 1
Exctraction Screw for 2.7/3.5/4.0mm screws 1
Exctraction Screw for 4.5/6.5/7.0mm screws 1
Exctraction Screw for 1.5/2,0 mm screws 1
Aluminum Plate - anodized 1
T-handle with quick coupling 80mm 1
Sharp Hook 155mm 1
Screw Grasping Plier 205mm 1
Hollow Chisel 10mm / 205mm 1
Hollow Chisel 4mm / 205mm 1
Hollow Chisel 6mm / 205mm 1
Aluminium Tray for Screw Extraction Set 1

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

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

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

Item No 49

TYMPANOMETER

Tympanometer, clinical tests to be performed:

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

Specification

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

Pressure measurements:

• Range: +200 to -600 daPa
• Accuracy: +/- 1 %
• Sweep rate: 12.5, 50.0, 200 daPa/sec
• Sweep accuracy: 10% of nominal rate
• Maximum limits (in 5 cc cavity): -800 daPa and +600 daPa
• IPSI and contra Reflex measurements
• Stimuli: 250, 500, 1k, 2k, 4k, BBn, LBN, HBN, click external input
• Frequency accuracy: +/- 3%
• Harmonic distortion: Less than 5%
• Intensity range: 35 to 120 dB HL in 5 dB steps
• Calibration accuracy: +/- 3 dB
• Step accuracy: +/- 5 dB
• Computer interface
• Built-in display and printer
• To be including: Probe assembling, ear tips, printer paper, calibration kit and cleaning kit

• All accessories to carry out above tests to be included.

Item No 50

VENTILATOR CRITICAL CARE

Microprocessor controlled Ventilator for Neonates, Paediatrics and Adults patient with invasive & non-Invasive ventilation in both pressure and volume based modes.

Should be expandable and up gradable.

Should have the both pressure & flow trigger sensitivity.

Minimum of following Modes of ventilation should be present: -

• CAMV – controlled Assisted mechanical ventilation
• SIMV – with pressure and volume support mode (VS)
• Pressure controlled ventilation
• Tube compensation

• PRVC
• BIPAP/Bi-level or equivalent with pressure support
• CPAP
• PAV+ (Proportional Assist Ventilation) or equivalent mode
Should have following Parameters: -
Tidal volume: 5 to 2000 ml
• Frequency: 2 to 150 b/m
• Pressure support: 0 to 70 cmH2O
• Inspiratory time 0.2 – 8 sec.
• Inspiratory flow: 3-150 L/min.
• Inspiratory pressure : 5-90 cmH2O
• Exhalation Sensitivity: 1-80% of Spont. Peak Flow
• Oxygen cone. :- 21 to 100%
• PEEP / CPAP : 0-45cmH2O
Following parameters should be monitored:-
a) Volume: Exp. Tidal volume & M.V
b) Tinsp.
c) Frequency
d) FiO2
e) Pressure: peak, plateau, peep, mean
f) Resistance and compliance
g) Ti/ Total & RSBI, P0.1 and Vital capacity
Should have user programmable Apnea back-up & should have detection of severe patient occlusion to protect patient against excessive airway pressure, terminate normal ventilation and allow patient to exhale through inspiratory limb by opening safety valve.

Should have at least 10” size integrated colored touch screen.
Should display: -
a) Wave forms: P x t, f x t, v x t
b) Loops: p x v, f x v
c) Should have different color for different breath
Alarms: - Audio visual Alarms for low air pressure, low oxygen pressure, low and high inspiratory pressure, low and high rate, leak rate, disconnection, apnea alarm time 15-60 sec, low battery etc.

Should have reusable auto cleavable heated bacterial filter exhalation isolation system
Inbuilt Battery back up for ventilator for at least 30 min.
Essential Accessories:-
A) Reusable heated bacterial filter/cassette exhalation isolation system- 10no.
B) Humidifier- Heated temperature controlled, preferably temperature monitored with alarms- 1 no.
C) Reusable humidifier chamber- 01no
D) Heater wires – 01no.
E) Heater wire adapter- 01no.
F) Flow sensor if applicable with flow sensor cables- 10no.
G) Reusable Breathing Circuits adult = 05no.
H) Reusable breathing Circuits pediatrics = 05no.

I) Reusable breathing circuits neonatal = 01no.

J) Nebulizer-

Ultrasonic nebulizer with pore size up to 2 micro meters to deliver medicament. It should not affect Ventilator parameter delivered to pt. When in use & it has both timed and Continuous nebulisation mode.

K) Compressor

a. Should be of same make as of ventilator.

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

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

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

L) Trolley

The equipment should be US FDA Approved.

Item No 51

VIDEO COLPOSCOPE

· Qualify stereoscopic optics. Facilities assessment of the finest epithelial changes.

· Ergonomic design: For convenient and fast positioning and focusing of colposcope

· Compact size: To conveniently fit in all OPD rooms and allow it to be moved for other OPD rooms

· Inclinable Binocular tubes 0-180 degree or more: for best viewing experience

· Objective lenses: with different focal lengths allow user to select the convenient working distance. 300 mm, 400 mm

· Stepless zoom magnification settings: allow user to study epithelium at high magnification and carry you treatment at low magnification.

· Swing in vessel delineation fitter: For improved visual activity.

Optimum cold light illumination system: Help distinguishing small color differences in epithelium

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

Beam splitter

TV tube for attaching camera

Item No 52

ANAESTHESIA WORKSTATION

Technical specifications:

Anesthesia system should be high end three gas system with three gas Oxygen, Nitrous Oxide and Medical Air double scale flowmeter with high and low flow and minimal flow provisions.

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

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

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

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

Should have provision to attach 2 cylinders 1 each for O2 and N2O.

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

System should have a second user accessible port for extraction of Anesthetic gas when using a nonrebreathing patient circuit. System should also provide the option of returning sample gas to the scavenging system with a dedicated port.

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

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

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

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

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

Should have built in safety features like O2 failure alarm, N2O cutoff, Low O2 pressure etc.,

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

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

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

Gas Flow

The unit shall have a mechanical hypoxic guard system to control the ratio of Oxygen and Nitrous oxide to ensure a minimum of 25% of oxygen delivery at all times to avoid delivery of hypoxic mixture.

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

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

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

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

Flow meters should have backlight and antiglare illumination.

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

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

Vaporizers

The unit should accommodate two vaporizers for anesthetic agent delivery to allow easy selection of agent to be used. A third vaporiser storage area shall be available as an option.

Vaporiser should be selectatec type, tool free installation and vaporiser of user choice can be mounted at will with interlocking facility to allow operation of only one vaporiser at one time.

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

Should provide Isoflurane and Sevoflurane key filled vaporisers.

Breathing System

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

Should not require tools when dismantled for cleaning and sterilization.

Should accept large and small volume absorber canisters.

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

Breathing system should have the option of C02 Absorber bypass control that will allow the absorber canisters to be removed without introducing system leaks.

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

Ventilatior

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

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

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

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

Ventilator should be capable of ventilating diverse range of patient groups from neonates to adult patients with restictive airways with tidal volume range between 20 ml to 1500 ml with single bellows system.

Assisted modes of breathing should be flow triggered.

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

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

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

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

Measurement at the patient end of the circuit (sensor at the patient end) should be provided to compensate for small leakages and compressible volume variability that occur during ventilation.

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

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

Ventilator should have the ability to set and store a hospital default as well as individual user preferences for easy selection of ventilation parameters and include screen layout, alarm preferences and ventilation settings.

User should be able to set their own password.

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

Ventilator should have the ability to display and store Patient Spirometery loops including Flow-Volume and

Pressure Volume curves.

Ventilator should also display waveforms for flow and airway pressure.

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

Ventilator should display a dynamic compliance measurement.

Integrated Monitoring system:

Anesthesia Monitoring system should be of modular type and capable of monitoring adult, pediatric and neonatal patients. Should be from the same manufacturer as of the anesthesia system.

Monitor should have minimum 19" independent flat panel display with multi color touch screen user interface to ensure all parameters are visible simultaneously.

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

Should be capable of 8 traces display. Should have facility to monitor: ECG, NIBP, SpO2, Respiration,

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

Should have automatic identification and measurement of anesthetic agents, EtCo2, O2 and N2O and MAC value.

Should have depth of anesthesia monitoring using Bispectral index.

Cardiac output monitoring facility with all accessories.

ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all 12 leads

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

Should have haemodynamic, oxygenation and drug dose calculations.

EtCO2 should have both mainstream and side stream in one module.

Respiration should be available with Cardio Vascular Artifact filter.

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

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

24 hours trend data should be displayed.

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

Modules should be compatible with transport monitors.

Monitor shall provide capability to remote view of real time waveforms via the internet. Should be able to upgrade to softwares for electronic flow sheet and full dislcosure of all waveforms.

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

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

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

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

All modules should be compatible with all monitors quoted.

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

Should be US FDA Approved
Should be compatible with HIS and Should be HL7 compliant
Monitor should have capability to accommodate remote viewing of real time waveforms through internet.

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

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

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

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

Temperature: Skin and nasopharyngeal probes per monitor
BIS: 25 nos of disposable sensors per monitor
Environmental factors:
Safe disposal system : AGSS – Anesthetic Gas Scavenging System, should be in place

Item No 53
ARTHROSCOPY SET

Arthroscope 4mm, 30 deg
High Flow Sheath for 4mm 30 deg Arthroscope with Obturator
High Definition (HD) Camera
Camera Console
Multiple digital outputs
Electronic zoom
Resolution 1280X1024 or more
Progressive scanning
2 DVI Outputs , 1 Composite Output,
Camera Head
Autoclavable Camera Head
Button Fuctions
White balance by camera head
300W Xenon Light Source
Stand by Mode
Universal jaw adapter for all make light cable/guide.
Fibre optic Cable/ Guide.
High Definition Monitor
Fully compatible with HD camera.
with DVI input.
Instruments
Hook Probe
Wide Bite Punch,15D up

90 Deg Rotary Punch, left
90 Deg Rotary Punch, right
Narrow Straight Punch
Alligator Grasper

Shaver System

Console Operates all electic handpieces
for arthroscopy, small bone and large bone.
The maximum speed of Shaver hand piece should be 12,000 rpm
Footswitch(wireless)
Drill Handpiece for Large Bone surgeries
Oscillating Saw Handpiece for Large Bone Surgeries
Universal Cable
Single Trigger Wire Driver
1/4' Jacobs chuck with Key
Blades for oscillating saw h/p
Reamer attachment with AO coupling
Full Radious Resector(6 Nos)
Burr(6 Nos)

Acl Instrument set:

ACL Guide x 1
Femoral Guide- 5mm Offset x 1
Femoral Guide- 6mm Offset x 1
Femoral Guide-7mm Offset x 1
7MM Reamer/ Drill Bit x 1
8MM Reamer/ Drill Bit x 1
9MM Reamer/ Drill Bit x 1
10MM Reamer/ Drill Bit x 1
Tendon Stripper x 1
Graft Passing Guide Pin x 1
4.0mm cupped curette x 1
4.0mm 15D Convex Rasp x 1
Graft Sizing Block x 1
Guide Pin 2.4mm x 10

All the items should be from one company.
US FDA Approved.
Imaging Trolley(Indian)

Item No 54
BINOCULAR MICROSCOPE

1. Antimould/Antifungal type microscope
2. Colour corrected infinity optical system
3. Nose piece Quintuple reversed inword facing.

4. Objectives Planachromatic and springloaded 4X (1pece), 10X (1perce), 20X(1piece),40X(1piece), oil immersion 100X (2 piese).

5. Eye piece wide field, 10X, one pair each with preferably with pointer.

6. Field of view>20mm.

7. Trinocular eye piece tube to facilitate camera attachment. The eye piece tube should be siedentopf type, 30 degree inclined and rotatable by 360 degree.

8. Dioptre adjustment of both eye pieces.

9. Inbuilt arrangement of illumination with halogen lamp (6V/20W) fitted directly under file lenses (Kohler's system) with intensity control.

10. Condenser- Bright field Abbe's NA 1.25 with iris diaphragm and filter holder.

11. Coaxial fine and coarse adjustment with adjustable tension.

12. Double stage- Double slide holder low position and coaxial, movement

13. Power supply 220/240 volts.

14. Spare halogen lamps-6 no's to be supplied with each microscope

15. Power cord

16. Dust cover and preferable with box

Item No 55

BIOCHEMISTRY SEMI AUTO ANALYZER

Automatic flow-through Cell Analyzer
Easy to use high quality precision Analyzer
Monochromatic and Bichromatic measurements (340 - 630) º
Interference filters 340-405-500-546-578-630nm
Bandwidth 8 nm.
Optical measuring pass of 10 nm.
Measures in absorbances, Concentration kinetics,
Fixed Time, Rate and Differential MULTI-STANDARDS
Zero set: fully automatic
Fully programmable directly from the keyboard
Storage capacity - 100 complete tests.
Reading volume need: 500 ul
Disposable cuvette programmable with flow through
Cell: 500- 1000ul
Built in printer
Thermostated block by peltier effect at 25-30-37 °C for 10 cuvettes.
External interface to be connected to computer.
With Standard Accessories

Item No 56

BIPAP

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

•IPAP range 6-30 cms

• EPAP range 4-20 cms

• Respiratory rate can be set to 4-40 bpm

• Spontaneous / CPAP/ spontaneous with time/ timed
• Connectors for et ET tube available for direct connection
• Should have CPAP, PSV ST, PCV, PACV modes
• Should have facility to set target tidal volume
• Inspiratory time should be possible to set allowing critical patients to breathe out.

The rise time from EPAP to IPAP can be set and varied

The system should be supplied with operator's manual, ultra mirage mask (full mask) , hose pipe and power cable

Item No 57
COMBINATION THERAPY UNIT

· Should have multi-frequency Ultrasound 1, 2, 3 MHz
· Should have duty cycles: 10%, 20%, 50%, continuous
· Should have option to add any size sound heads: 2 cm2, 5 cm2, 10 cm2
· Should have ultrasound settings: up to 2 watts/cm2
· Should able to display both in watts and watts/cm2
· Should able to produce head warming and Coupling
· Should able to deliver combination therapy with all the available currents through the Sound Head
· Should have stim input for electrotherapy
· Should have 5 channels with 1 number of dedicated High Volt channels
· Should able to deliver 7 wave forms: such as Interferential , Premodulated ,Russian ,Biphasic ,High Volt ,Microcurrent ,Direct Current ,Target and Target Sweep feature for Interferential with touch pad technology
· Should have internal power supply and conversion capabilities
· Must be durable and sturdy with aluminum casing
· Should have modifiable frequency ranges , single, reciprocal, co-contraction modes in Russian, Biphasic
· Must able to have selectable and customizable on/off times for High Volt, Biphasic and Russian
· Able to modify pulse rate, pulse width in Biphasic, Russian
· Must able to deliver Microcurrent and High Volt therapy delivered with either electrodes or probes
· Must have the option to select Microcurrent and High Volt polarity *(positive, negative, or bipolar)*
· Must have microcurrent conductance indicator and Electrode conductance meter
· Should able to deliver Direct Current through MultiStim probe with toggle switch for control
· Should have a Infrared cluster probe with 660 nm and 880 nm SLDS and have Laser point probe available as an optional unit for attachment.
· Must also provide a Blue light 405 nm and 660 nm cluster probe.
· Must provide a certified Protocol Reference Manual for Electrotherapy & Ultrasound

· Must provide a Light Therapy Applications Manual *(included with probe order)*

· Have an internal current conversion 110 to 240 Volts, 50/60 Hz, able to operate on a battery or have option to operate with a car battery

· Must be light 5.9 kg with dimensions of 14.32 inches W, 4.46" height, 12.7 length able to transport in a carry bag.

· Should be a certified class device with all CE mark and FDA approved Unit, and must provide proprietary certificate and IEC 60601-1(CE) and CSA/NRTL

Item No 58
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 59
ECG MACHINE 12 CHANNEL

· Simultaneous acquisition of up to 12 leads.
· Real time continuous recording of 3, 6 and 12 channel.
· Recording speeds of 10, 25 or 50 mm/sec
· Extensive ECG quality control by AC Noise Filtering and Baseline.
· A4 size reports for convenient reading and filing.
· Colour coded keys for case of operation.
· Convenient battery operation for greater mobility.
· Versatile report formats and speed options to provide auto reports or rhythm reports.
· User configurable filters.
· Preview signal quality prior to printing. Saving time and paper.
· Keyboard entry for patient ID information.
· Capability to generate any number of ECG copies possible for filing and distribution.
· Adult and paediatric analysis programs std.
· Automatic interpretations of ECG data.
· Availability of adult, paediatric and neonatal accessories.
· Accessories e.g., stand, cables, electrodes etc. Should be quoted separately.
· ECG Paper roll for 1000 patients
- Consumables for one year(A list should be attached)
· Service and operation manual complete.

Item No 60
MULTIPARA BEDSIDE MONITOR / NEONATAL MONITOR

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

Monitor should have 17" independent flat panel display.

Touch screen user interface .

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

Should be capable of 8 traces display.

Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO2, invasive pressures (2), temperatures (2)

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

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

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

Haemodynamic and drug dose calculations should be available.

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

Respiration should be available with Cardio Vascular Artifact filter.

ICP monitoring should be possible.

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

24 hours trend data should be displayed.

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

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

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

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

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

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

Position of the displayed waveforms must be user configurable.

Waveform color changing should be user configurable.

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

All modules should be compatible with all monitors quoted.

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

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

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

Should be compatible with HIS and should be HL7 compliant.

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

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

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

Accessories and spares

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

Equipment should be CE & FDA aprroved

Item No 61
OPERATING LAPAROSCOPE SET FOR GEN SURGERY

Laparoscopy Trolley
Automatic Light source
220 V,300 W. Xenon Bulb
Bulb Working life more than 400 Hrs.
Bulb life counter on light source
Automatic /Manual Light Adjustment
Stand By Mode via push button on light source console
Universal Jaw Assembly to adapt any make of fiber optic cable without use of any adapters.

Fiber optic Cable
6.5mm x approx. 7.5 feet long Snap Fit cable
Monitor 22" Monitor LCD
CO2 Insufflator
Minimum 40 Liter of high flow
Microprocessor controlled unit
Soft Approach Pressure control for safe recovery of abdominal pressure
Gas heating
LCD based central display monitor with multilingual text & graphics
Audio Visual Alarms
Three Chip Camera System

Camera console 220 v with universal coupler & Autoclavable camera head
Pure Digital signal with high definition video(1280*1024 native resolution)
Specialty settings not less than 6
Integrated Flexible Scope filter
Signal to Noise ratio-70 db (approx)
Progressive scan technology both on camera head & console
Brightness Control on console & camera head
Aperture Control on console
Inbuilt 16 step digital Image Enhancer on console
Digital zoom & white balance on camera head
Integrated Gain/shutter/Enhancement with brightness control
Two peripheral control on camera head
All controls operatable by camera head should also be operated by console
Video Output
1. 2 DVI output
2. 2 SVHS & 1 RGB out put
3. One Composite out put
High Definition/ Ideal Eye Laparoscopes, Fully Autoclavable with working length 300mm
Wide angled distortion free view
Universal adaptor for other light sources
High quality sapphires and the latest rod lens technology for excellent transmission and detail recognition
0 degree, 10mm x 1
Instrument set:
Laparoscopic hand instruments (reusable) with 310mm working length,rotable with interchangeable handle with monoploar diathermy attachment (Except trocars and veress needle)

Veress needle 12 cm length 1
Veress needle 15 cm length 1
Trocars sleeves 11 mm 3
Reducer 11/5 mm 2
Trocars sleeves 5.5 mm 3
Trocars (pyramidal tip) 10 mm 2
Trocars (pyramidal tip) 5 mm 2
Maryland dissector 5mm with unipolar diathermy 2
Atraumatic graspers, 5mm 2
Metzenbaum scissors (5cm) with unipolar diathermy 2
Laproscopic cautery lead 2
L shaped hook electrode 5mm 2
Laproscopic bowel grasper 5mm, length 33-36 cm 1
Laproscopic suction cannuala, 10 mm 1
Laparoscopic suction cannula 5 mm 1
Clip applicator 10 mm Large, Medium, Small Clips
Claw Forcep-(2X3 tooth) size 5mm 1
Claw Forcep-(2X3 tooth) size 10mm 1

Babcock forcep 1
Hook Scissor 1
Curved grasping forcep(sleeve metallic 5mm/3mm) 1
Cidex Tray (Indian)-3
Formalin Chamber (Indian)-3

Item No 62
O T TABLES FOR ORTHOPAEDICS

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 250 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.

There shall be an additional manual override control keys panel on the head end of the base of the table for enabling emergency access for the ot OT staff.

2.7 in case of failure of the electronic hand control, electronic override control panel and also the battery back up.

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 60601-1-1990 electrical safety
6.3 IEC TR 60878:2003

6.4 medical device directive 93/42/EEC

6.5 ISO & CE

7. Power supply

7.1 power input to be 220-240V AC, 50Hz fitted with indian plug

7.2 voltage corrector/stabilizer of appropriate ratings meting isi ISIspecifications. (input 160-260V and output 220-240V and 50Hz)

8. Standards, safety and training

8.1 to be ISO/CE/ UL approved product

8.2 to have current leakage less than 70 U/A 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 63

O T TABLES FOR GENERAL SURGERY & GYNAECOLOGY

1. Operating table with complete accessories universal tables

Dimensions:

table top length 2080 mm minimum

width 520mm without side rails

height 700mm to 1040mm without mattress

2. The table shall be electro hydraulically operated, low height, battery powered with recharging capacity of approx. 50 operations per charge.

3. Additionally, as a back up power source the table shall be capable of working on 220/240 V AC 50 c/s direct supply

4. The table shall be provided with a cable connected hand control with battery charge indicator.

5. There shall be an additional manual override control keys panel on the head end of the base of the table for enabling emergency access for the ot OT staff.

6. The table should be provided with additional manual foot control device for the adjustment of height, lateral tilt and trendelenburg/reverse trendelenburg functions.

7. The table top should be X-ray permeable, made of bakelite , the frame and the column and the base cover should be made of stainless steel.

8. Complete C-arm image intensifier view should be possible from pelvic region to head end of the table.

9. Five sectional radio-transluscent table top shall have detachable head-rest, back-section, pelvic/seat-section, detachable split leg section operated on gas spring for up/down.

10. There should have provision for the guide rails fixed under the table top for X-ray cassettes. It should have antibacterial, antistatic and fluidproof material with high density and soft slow recovery foam so as to prevent pressure points developing during long duration surgeries.

11. The following adjustments shall be electro-hydraulically operated:

A) Height 700 – 1040mm without mattress

B) Back section up 75 deg.

C) Back section down 45 deg.

D) Trendelenburg 30 deg.
E) Reverse trendelenburg 30 deg.
F) Tilt right/left 20 deg.
G) reset to zero position
Manual functions:
a) detachable head rest up/down – 60/90 deg.
b) detachable split leg plate up/down – 30/90 deg.
c) split legs – 0-180 deg
d) in-built carbon fibre kidney bridge with elevation 0-12cm
12. The table shall be so adjustable that there shall be no obstruction to the feet of the surgeon and should allow generous leg-room for the surgical team. the rear of the table top shall also be free from any obstructions.

13the 13 The table should be provided with the following standard accessories:
a) arm Arm board with cushion and clamp - 2 nos.
b) anaesthesia Anaesthesia screen l shaped with clamp - 1 no.
c) body Body strap - 1 no.
e) gopel Gopel knee crutches - 1 pair
g) radial Radial setting clamp - 2 nos.
h) proctology Proctology attachment -1 no.
i) drain Drain pan -1 no.
j) foot Foot rest -1 no.
The table should be of international standard, ISO, CE.
15 environment factors
15.1 shall meet iecIEC-60601-1-2: 2001
15.2 EN 60601-1-1990 electrical safety
15.3 IEC TR 60878:2003
15.4 medical device directive 93/42/EEC

Item No 64
PHACO EMULSIFICATION MACHINE

Phaco Emulsification Machine
1. The phaco system should have both peristaltic and Venturi pump.
2. It should be possible during surgery to switch over from peristaltic to venture mode or vice versa instantaneously.
3. Titanium and ultra light 6 Crystal Phaco handpiece should be quoted having frequency range between 25KHz and 35 KHz.- Four phaco handpieces to be quoted
4. Power to be varied between 1 to 100% in steps of 1%
5. Unit must have programmable burst mode with burst duration to be varied between 25 mSecond to 450mSecond.
6. Unit should have programmable pulse mode with maximum pulse frequency of 40 Hz. Also pulse duration to be adjusted between 0.50 to 1500 mSecond.
7. Unit must have Cool Micropulse Phaco and Co-Axial Microincision Phaco Facility
8. Unit should have 3 phaco memories (Phaco1, Phaco 2 and phaco3).

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

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

11. 9 nos. Autoclavable cassette to be supplied.

12. Reflux – Either through Pump or Bottle

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

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

15. Irrigation Sleeves for above tips – 10 nos.

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

17. I/A Bimanual – 2no.

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

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

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

21. Serilisation Tray – 4nos.

22. Diathermy handpiece along with Bipolar forceps to be quoted

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

24. Unit must have memory for minimum 30 surgeon program

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

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

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

28. Posterior Vitrectomy – Dual linaer Vitrectomy

29. Metal halide light with dual output

30. Single cut mode

31. Pars Plana Tip

32. Simultaneous connection of 3 Vitrectomy instruments

33. Endo Diathermy tip – 20G

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

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

Item No 65
SLIT LAMP

Haag - Streit type Slit lamp

Galilean converging binocular

Magnification variable 5-step, range 6x - 40x

Eyepieces 12.5x

Field of view 44 to 6

Interpupillary distance 48.5 to 80 mm

Slit length 0.2 to 12 mm
Slit width 0 - 12 mm
Filters cobalt blue, red-free, grey & heat absorbing
Slit rotation 0o - 180o
Vertical Tilting Slit 0o to 20o
Working distance 80 mm
Fixation point luminous flexible red diode
Chin rest height adjustable 70 mm
Goldmann type Applanation tonometer
Digital camera attachment with hardware & software for image processing and storage

Item No 66
URINE ANALYZER

Two Different strips can run on the system
Combur 10M : Glucose,protein,pH, Leucocytes,Nitrite,Ketones Bilirubin,Urobilinogen,Blood,SG (10 parameter)
Combur 9 :Glucose,protein,pH, Leucocytes,Nitrite,Ketones,Blood,Bilirubin,Urobilinogen

Features

Sample : Uncentrifused Fresh Urine

· Analysis time – less than1 min
· Sample throughput – approx. 60test strips/hours (normal Mode)
· Calibration through dry strips for better results .
· Totally Maintenance Free System
· Light Source - LED
· Wavelenght measurements - 470nm,555nm, 620 nm
· Data display on Touch screen monitor
· Data printout on fast low noise thermal printer
· Memory for 1000 patient results with time and date,3×100 Controll
· Simple Touch Screen operation
· Flagging of abnormal results
· Interfaces - 1 x RS 232
· 110V to 240V AC operation
· CE / CB / UL/CUL approved

Accesories :
Accessories Kit
Manual
Power cord
Adapter

Item No: 67
DIAGNOSTIC X-RAY MACHINE 300mA

Diagnostic X-ray unit suitable for radiography with motorized table top complete with all essential accessories as detailed below :

1. Xray Generator

Full wave rectified 24 KW X-ray Generator capable of delivering an output of 300mA at 100 kV

Minimum exposure time of 10 millisecond

Digital display of kV, mA and mAS

Radiographic kV selection from 45kV to 125 kV

2. Xray Tube (one nos.)

Nominal voltage 125 kV

Rating of 20/40 kW with rotating anode of BEL Make.

Anode braking device for increasing the life of X-ray tube.

Preheating of small & large filament of the X-ray should be there to increase the life of the X-ray tube.

3. Examination Table

With motorized table

Very high ratio Grid .

Examination table: Instead of motorized table, it has to be a Bucky table(with high grid ratio) with motorized movement of table top with liberal movement in both horizontal (both ways) and vertical direction (both head end and foot end)

Power requirement for operation of the machine to be quoted be the firm.

The machine should have inbuilt voltage compensation and the machine should be able to operate without the need of additional external voltage stbilizer.

4. Radiographic Wall stand

Floor mounted Radiographic wall stand

Vertical movement of at least 100 cm

Should be capable of taking Cassette of sizes 5"x7" to 14" x17"

Very high ratio Grid

5. Column stand

Floor mounted column stand.

Rotation of column stand full 360deg.

X ray tube rotation +/- 180deg.

6. Accessories

Sinus cone

Mastoid cone

Dental cone

Power requirement, Space requirement and installation requirement for the equipment should be mentioned.

AERB/ BARC approved.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

   a) After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer/Indian Agent. Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply.

   b) The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

3. Training:

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

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

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

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

5. Turnkey:

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

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

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

Section – VIII

Quality Control Requirements

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

Tender Reference No.
Date of opening
Time
Name and address of the Tenderer:

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

01 Name of the manufacturer
   a. full postal address
   b. full address of the premises
   c. Email ID
   d. telephone number
   e. fax number

02 Plant and machinery details

03 Manufacturing process details

04 Monthly (single shift) production capacity of goods quoted for
   a. normal
   b. maximum

05 Total annual turn-over (value in Rupees)

06 Quality control arrangement details
   a. for incoming materials and bought-out components
   b. for process control
   c. for final product evaluation

07 Test certificate held
   a. type test
   b. BIS/ISO certification
   c. any other

08 Details of staff
   a. technical
   b. skilled
   c. unskilled

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

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

Note:

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

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

2. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.

3. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

4. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No.: _____

Date & Time of opening: _____

Name and address of the Tenderer: _____

Name and address of the manufacturer: _____

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

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

Ref. Your TE document No. _____dated _____

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

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5										
				Price per unit (Currency)									Unit price on DDP basis at consignee's site	
Item Sl. No.	Brief Description of Goods (with make & model)	Country of Origin	Quantity (Nos.)	Gross FOB price at sea/air port of Lading (inclusive of Agency Commission)	Amount and percentage of Agency Commission **	Net FOB (excluding Agency Commission) (a-b)	Insurance & Freight	Net CIP by Air/ Sea at the port of entry (c+d)	Custom Duty amount as % of Net CIP (amount with CDEC as applicable) **	Custom Clearance & Handling Charges **	Loading/ Unloading, inland transportation, insurance as per Clause 11 of GCC & incidental cost till consignee's site **	Installation commissioning , supervision. Demonstration & training at the consignee's site **	In foreign currency	In Indian Rupees
				(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	=(e)	=(b+f+g+h+i)

** to be quoted in Indian Currency

Total price at Consignee's site

(A) In foreign currency : column (4 x e)_____ (In figures and words) plus

** (B) In Indian Rupees : column 4 x (b+f+g+h+i) Rs_____(In figures and words)

Note: -

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

Name_____

Business address_____

Place:_____

Signature of Tenderer_____

Date:_____

Seal of Tenderer_____

C) PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

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

*** After completion of Warranty period**

NOTE:-

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

SECTION – XII
QUESTIONNAIRE

Fill up the Section XX – Check List for Tenderers and enclose with the Tender

1. The tenderer should furnish specific answers (alongwith mention of relevant page nos. of tender) to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark "not applicable"

2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

To,

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

Dear Sir,

Ref. Your TE document No _____, dated _____

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

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

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also confirm that the price quoted by our agent shall not exceed than that which we would have quoted directly.

Yours faithfully,

[*Signature with date, name and designation*]
for and on behalf of Messrs_____

[*Name & address of the manufacturers*]

Note: 1. This letter of authorisation should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
2. Original letter may be sent.

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
Head of Hospital/Institute/Medical College of ESIC

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;
AND WHEREAS we have agreed to give the supplier such a bank guarantee;

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

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid till 2 (two) months beyond the warranty period, i.e up to ---------- (indicate date)

……
(Signature with date of the authorised officer of the Bank)
……
Name and designation of the officer
……
……
Seal, name & address of the Bank and address of the Branch

SECTION – XVI
CONTRACT FORM - A

CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS

(Address of the Purchaser's/Consignee's
office issuing the contract)

Contract No_____ dated_____

This is in continuation to this office's Notification of Award No_____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No_____ dated_____ and subsequent Amendment No_____, dated_____ (if any), issued by the purchaser
3. Supplier's Tender No_____ dated_____ and subsequent communication(s) No_____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

    i. General Conditions of Contract;
    ii. Special Conditions of Contract;
    iii. List of Requirements;
    iv. Technical Specifications;
    v. Quality Control Requirements;
    vi. Tender Form furnished by the supplier;
    vii. Price Schedule(s) furnished by the supplier in its tender;
    viii. Manufacturers' Authorisation Form (if applicable for this tender);
    ix. Purchaser's Notification of Award

    Note : The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

    (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Item Sl. No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

(ii) Delivery schedule
(iii) Details of Performance Security
(iv) Quality Control
  (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
  (b) Designation and address of purchaser's inspecting officer
(v) Destination and despatch instructions
(vi) Consignee, including port consignee, if any
(vii) Warranty clause
(viii) Payment terms
(ix) Paying authority

_____
(Signature, name and address of the
Purchaser's/Consignee's authorised official)
For and on behalf of_____

Received and accepted this contract

(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR COMPREHENSIVE MAINTENANCE CONTRACT

Comprehensive Maintenance Contract No._____dated_____
Between

(Address of Head of Hospital/Institute/Medical College)
And

(Name & Address of the Supplier)

Ref: Contract No_____ dated_____ (Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty of goods)

In continuation to the above referred contract

a) The Contract of Comprehensive Maintenance is hereby concluded as under: -

1	2	3	4					5
Item Sl. No.	BRIEF DESCRIPTION OF GOODS	Quantity (Nos.)	Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years [3 x (4a+4b+4c+4d+4e)]
			1st	2nd	3rd	4th	5th	
			a	b	c	d	e	

Total value (in figure) _____ (In words) _____

b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from_____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)

c) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance and labour, after satisfactory completion of Warranty period may be quoted for next 5 (or as specified) years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Batteries for UPS, other vacummatic parts, _____ & _____) and Turnkey (if any).

d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

f) All software updates should be provided free of cost during CMC.

g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

Section XV of the TE document, along with the signed copy of CMC within a period of 21 (twenty one) days of issue of CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

h) If there is any lapse in the performance of the CMC as per contract, the proceeds CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.

i) **Payment terms:** The payment of CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

j) **Paying authority:** _____ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

_____

(Signature, name and address of
Hospital/Institute/Medical College's authorised official)
For and on behalf of_____

Received and accepted this contract

(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

SECTION – XVII

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The following store (s) has/have been received on said to contain basis in good condition:

1) Contract No. & date :_____

2) Supplier's Name :_____

3) Consignee's Name & Address with telephone No. & Fax No. : _____

4) Name of the item supplied :_____

5) No of cartons received which are said:

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

:_____

6) Date of Receipt by the Consignee :_____

7) Name and designation of Authorized Representative of Consignee :_____

8) Signature of Authorized Representative of Consignee with date :_____

9) Seal of the Consignee :_____

SECTION – XVIII
Final Acceptance Certificate by the Consignee

No _____ Date_____

To
M/s_____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity:_____

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

(f) Name of the vessel/ Transporter: _____

(g) Name of the Consignee: _____

(h) Date of commissioning and proving test: _____

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

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

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

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

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

Signature
Name:
Designation with stamp

Explanatory notes for filling up the certificate:

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

SECTION – XIX

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

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

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

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

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

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

3. ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

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

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

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

4. SHIPMENT FROM POLAND & CZECHOSLOVAKIA

   (i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.
Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

5. SHIPMENT FROM U.S.S.R

Shipment under this contract should be made in accordance with the agreement between the Government of the Republic of India and the Government of U.S.S.R on Merchant Shipping 1976, as amended up-to-date, by vessels of Indo-Soviet shipping Service.

6. SHIPMENT FROM JAPAN

The shipment of goods should be made of India vessels to the maximum extent possible subject to the minimum of 50%.

The Seller should arrange shipment of the goods in consultation with the Embassy of India in Japan, Tokyo to whom details regarding contract number, nature of cargo, quantity, port of loading/discharge, name of Govt. consignee, expected date of readiness of each consignment etc. should be furnished at least six weeks in advance of the required position.

Note: The copies of such contracts are to be endorsed both to the Attached (commercial) embassy of India in Japan, Tokyo, and the shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi.

7. SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, EGYPY

The Seller shall arrange shipment of the goods by Indian flag vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels, the seller shall give adequate notice of not less than six weeks about the readiness of each consignment to the Shipping Purchaser of India Ltd., SHIPPING HOUSE, 245, Madame Cama Road, Bombay – 400 021 (CABLE: SHIPINDIA BOMBAY) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

8. SHIPMENT FROM PAKISTAN

The shipment of cargoes should be made by Indian vessels to the maximum extent possible subject to a minimum of 50 %.

Shipment arrangement should be made by the sellers in consultation with M/s Mogul Line Ltd., 16-Bank Street, Fort, Bombay – 400023 (Cable: MOGUL BOMBAY: Telex: 011 – 4049 MOGUL), to whom, details regarding contract number, nature of cargo, quantity, port of lading discharging, name of government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

9. SHIPMENT FROM U.S ATLANTIC & GULF PORTS

The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India – Pakistan – Bangladesh – Ceylon and Burma Outward Freight Conference. If the Seller finds that the space of the 'Conference Lines' vessels is not available for any specific shipment he should take up with India – Pakistan- Bangladesh – Ceylon and Burma Outward Freight Conference, 19, Rector Street, New York, N.Y. 10006 USA, for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

10. SHIPMENT FROM ST. LAWRENCE AN EASTERN CANADIAN PORTS

The Seller should arrange shipment of the goods by vessels belonging to the following shipping lines;

1. The shipping Purchaser of India Ltd.
2. The Scindia Steam Navigation Co., Ltd

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

11. SHIPMENT FROM WEST COAST PORTS OF U.S.S CANADA AND OTHER AREAS NOT SPECIFICALLY MENTIONED ABOVE

The Seller should arrange shipment of the goods by Indian vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should furnish the details regarding contract number, nature of cargo, quantity, port of lading, discharging, name of government consignee, expected date of readiness of each consignment etc. to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) at least six weeks in advance of the required position.

B) BILLS OF LADING:

(i) C.I.F./C&F/TURNKEY SHIPMENTS

The Bills of lading should be drawn to indicate Shipper and 'Consignee' as under:

SHIPPER: The C.I.F (C&F)/TURNKEY SUPPLIERS concerned.

CONSIGNEE: As per consignee's particulars in the contract (The name an address of the 'Port Consignee' and 'Ultimate' both should be indicated).

(ii) F.O.R SHIPMENTS

The Bills of lading should be drawn indicating shipper Consignee as under:

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

1. Moreover the name of the 'Purchaser' and 'Ultimate' Consignee should appear in the body of the Bills of Lading as the 'Notify' or as a remark.
2. Two non-negotiable copies of the Bills of Lading indicating the freight amount and discount, if any allowed, should be forwarded to The Shipping Co-ordination Officer, Ministry of surface Transport (Chartering Wing), New Delhi after the shipment of each consignment is effected.
3. The seller should avoid the use of over-aged vessels for the shipment of the goods under the contract and if so used the cost of additional. Insurance, if any, shall be borne by the seller.

SECTION – XX

CHECKLIST

Name of Tenderer:

Name of Manufacturer:

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
1.	Have you enclosed EMD of required amount for the quoted schedules?			
2(a).	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
2(b).	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
3.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
4(a).	Have you enclosed duly filled Tender Form as per format in Section X?			
4(b).	Have you enclosed Power of Attorney/ Authorisation in favour of the signatory?			
5.	Have you submitted manufacturer's authorization as per Section XIV?			
6.	Have you submitted the certificate of incorporation?			
7(a).	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
7(b).	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
8.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
9.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
10.	Have you submitted the Quality Control Requirements as per Proforma given in Section VIII of TE document?			
11.	Have you accepted delivery period as per TE document?			
12.	Have you accepted the terms of delivery as per 'DDP at consignee site basis'?			
13.	Have you accepted the warranty/CMC as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you fully accepted payment terms as per TE document?			
16(a)	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
16(b)	Have you submitted Manufacturer's Proforma Invoice for the price quoted in the Price Schedule?			
17	Have you submitted satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
18.	Have you submitted copy of the order(s) against the above end user certificate (s)?			

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

N.B.

1. All pages of the Tender should be page numbered and indexed.
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
3. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

(Signature with date)

(Full name, designation & address of the person duly authorised sign on behalf of the Tenderer)
For and on behalf of

(Name, address and stamp of the tendering firm**)**

Section – XXI

Consignee addresses

Sl. No.	Consignee Code	Consignee Name & Address
1	Andheri	Medical Superintendent ESI MODEL HOSPITAL CUM ODC Central Road, Near Marol Bus Stand Andheri (E), Mumbai – 400 093 022-28367206
2	Bapunagar	Medical Superintendent ESIC Hospital Bapunagar, Ahmedabad Ph: (079) 22743935, 22745770, 22741866
3	Ezhukone	Medical Superintendent ESIC Hospital Ezhukone, Kollam, Kerala - 691 505 Ph: 0474-2522454, 2529380; Fax:0474-2529294
4	MGM parel	Medical Superintendent ESIC-PGIMSR MGM Hospital Dr. S.S. Rao Road Parel, Mumbai- 400 012 022-24132575/81
5	Nacharam	Medical Superintendent ESIC Model Hospital, Nacharam, Hyderabad-76 Ph: 040-20081274; Fax: 040-27173315
6	Naroda	Medical Superintendent, ESI General Hospital, Near Railway Crossing, Himmatnagar Highway, Naroda, PO: Kubernagar,Ahmedabad-382340 (Gujrat) Phone: 079-22812333/36
7	Peenya	Medical Superintendent ESIC Hospital, Peenya, Bangalore-58
8	Tirunelveli	Medical Superintendent ESIC Hospital Tirunelveli, Tamilnadu Ph: (0462) 2332105, 2332106, 2332107

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