TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENTS

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-44/10-11

BY

HLL Lifecare Limited

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

NOTICE INVITING TENDERS (NIT)

HLL LIFECARE LIMITED
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Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India
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Tender Enquiry No. HLL/PCD/ESIC-44/10-11 **Date:03.02.2011**

1. Procurement & Consultancy Services Division of HLL Lifecare Limited (Formerly Hindustan Latex Limited), for and on behalf of Director General of Employee State Insurance Corporation (ESIC), invites sealed tenders, from eligible and qualified tenderers for supply of following **Medical Equipment** for ESI Hospitals, **Baddi, Basai, Biwadi, Ludhiana, Manesar, Noida, Jhilmil, Jammu**:

Sr No	ITEM DESCRIPTION	Total Qty	EMD Amount Rs.
1	Auto Stainer	2	48000
2	Cold Pack Unit	3	18600
3	Combination Therapy Unit	3	27000
4	Cryo Surgical Unit	3	39000
5	ELISA Reader with Washer	3	30000
6.	Emergency Resuscitation Kit-Adult(imported)	3	33000
7	Fibre optic Bronchoscope	3	180000
8	General Instruments Set	20	580000
9	Hot Pack Unit	3	18600
10	Infant Resuscitator	3	30000
11	O T Tables for General Surgery & Gynaecology	8	320000
12	O T Tables for Orthopaedics	4	192000
13	OAE Tester-Hearing Screener	3	9000
14	Open Care System	3	42000
15	PH meter	3	12000
16	Streak Retinoscope	2	4000
17	Traction Unit	3	54000
18	Transport Incubators	3	42000

19	Vacuum Extractor	3	27000
20	ECG 12 channel - Page printer with cart.	3	9000
21	Multiparameter Monitor	7	42000
22	Video colposcope	1	12000
23	Yag Laser Double Frequency	1	50,000
24	Elisa Reader with printer and automatic washer	1	10000
25	Blood Gas Analyser	2	48000
26	Ultrasoud machine 3 D with colour Doppler	2	108000
27	Microscope	6	3600
28	Rotary Microtome	1	16000
29	Neonatal ventilator	1	16000
30	BIPAP	3	24000
31	Multiple Vitalsign Monitor	6	58800
32	Portable Ventilator	3	4200
33	Resuscitation kit with trolley	3	4200
34	Syringe Infusion Pump	9	10800
35	Volumetric Infusion Pump	3	5400
36	Incubator	6	8400
37	Water bath	5	4000
38	Cell Separator	1	8000
39	Cell Washer	1	14000
40	Donor Couch	1	3000
41	Platelet Incubator & Agitator	1	10000
42	Sterile Tube Connecting Device	1	19000
43	Anaesthetist Stool/Chair	12	15600
44	Jet Ventilator	1	24000
45	Surgeon Stool/Chair	1	1300
46	Vital Sign Multipara Monitor	26	312000
47	Automated Visual Field Analyser with printer(Perimeter)	1	15000

48	Vital Sign Monitor (23) with Central Monitoring Station(3)	1	274000
49	Video Colposcope	1	12000
50	Laparoscopic Cholecystomy Set	1	90000.00
51	TURP Set	1	80000.00
52	LRD Bed/Table	3	54000.00
53	Examination Table	2	24000.00
54	Bi-Planner C-Arm Image Intensifier	1	60000.00
55	Ventilator Critical Care	1	26,000
56	Multipara Bed side Monitor	2	28,000
57	Emergency Resuscitation Kit	1	11,000
58	Fetal Monitor	1	8000.00
59	Mortuary Chamber	1	13000.00

2. **Tender No.: HLL/PCD/ESIC-44/10-11**

Sl No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	03.02.2011 to 07.03.2011, in all working days, during 1000 Hrs. to 1400 Hrs. (IST)
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited Procurement & Consultancy Services Divn. B-14A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3,000.00/ USD 75.00
iv.	Pre Tender Meeting Date & Time	14.02.2011, 1100 Hrs. (IST)
v.	Pre Tender Meeting Venue	Same as given in 2 (ii)
vi.	Closing date & time for receipt of Tender	**08.03.2011, 1030 Hrs. (IST)**
vii.	Time and date of opening of Techno-Commercial tenders	08.03.2011, 1100 Hrs. (IST)
viii.	Venue of Opening of Techno-Commercial Tender	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.

For and on behalf of **Employee State Insurance Corporation**
Head (P & CD)
HLL Lifecare Limited,
Procurement and Consultancy Division
B-14A, Sector -62, Noida -201307,
Uttar Pradesh.

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

2. Introduction

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

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

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

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

3. Deleted

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

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

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

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

9. Deleted

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

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

B) <u>Price Tender:</u>

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

N.B.

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

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

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

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

12. Tender currencies

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

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

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

13 Tender Prices

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

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

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

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

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

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

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

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

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

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

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

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

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

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

13.5.5 Customs Duty:

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

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

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

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

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

14. Indian Agent

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

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

15. Firm Price

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

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

16. Deleted

17 Documents Establishing Tenderer's Eligibility and Qualifications

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

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

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

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

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

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

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

19. Earnest Money Deposit (EMD)

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

19.2 Deleted

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

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

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

19.5 Deleted.

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

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

20. Tender Validity

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

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

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

21. Signing and Sealing of Tender

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

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

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

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

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

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

D. SUBMISSION OF TENDERS

22. Submission of Tenders

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

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

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

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Preliminary Scrutiny of Tenders

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

27.2 Deleted.

27.3 Deleted

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

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

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

28. Deleted

29 Discrepancies in Prices

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Deleted

34. Comparison of Tenders

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

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

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

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

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

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

35.3 Deleted

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

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

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)

TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

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

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

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

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

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

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

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

7.3 Packing instructions:

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

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

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

8. Inspection, Testing and Quality Control

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

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

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

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

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

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

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

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

9. Terms of Delivery

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

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

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

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

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

11. Insurance:

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

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

ii) in case of supply of the imported goods on DDP Basis, the supplier shall arrange and pay for marine/ air insurance making the consignee as beneficiary. The additional extended Insurance (local transportation and storage) would also be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery.

12. Spare parts

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

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

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

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

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

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

13. Incidental services

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

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

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

15. Warranty

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

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

a. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following items:-
    i. X-ray and CT tubes and high-tension cables.
    ii. Helium replacement
    iii. Any kind of motor
    iv. Plastic & Glass parts
    v. All kinds of sensors including oxygen sensors
    vi. All kinds of coils, probes and transducers including ECG cable, BP transducers, SpO2 Probes, Ultrasound and Color Doppler Transducers/probes, BP Cuffs, Defribrillator internal paddles, chart recorders, ventilator reusable patient circuits, servo humidifier with chamber, electrodes and probes for blood gas analyser, MRI coils.
    vii. All kinds of flat panel sensors and cassettes for Digital Radiography & Computer Radiography systems and patients handling trolleys, etc.
    viii. Printers and imagers including laser and thermal printers with all parts.
    ix. UPS including the replacement of Batteries.
    x. Air-conditioners
c. Replacement and repair will be under taken for the defective goods.
d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

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

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

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

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

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

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

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

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

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

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

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

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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

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

b) On Acceptance:

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

B) Payment for Imported Goods:

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

a) On delivery:

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

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

b) On Acceptance:

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

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

d) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

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

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

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

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

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

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

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

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

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

21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

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

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

22. Delay in the supplier's performance

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

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

(i) imposition of liquidated damages,

(ii) forfeiture of its performance security and
(iii) termination of the contract for default.

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

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

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

27.2 The goods and services that are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be

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

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

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

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

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

31. Applicable Law

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

32. General/ Miscellaneous Clauses

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

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

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

SECTION – VI

LIST OF REQUIREMENTS

Part I:

S. NO.	Item Description	Jammu	Baddi	Basai	Biwadi	Ludhiana	Manesar	Noida	Jhilmil	TotalQty.
1	Auto Stainer		1				1			2
2	Cold Pack Unit		1		1		1			3
3	Combination Therapy Unit		1		1		1			3
4	Cryo Surgical Unit		1		1		1			3
5	ELISA Reader with Washer		1		1		1			3
6	Emergency Resuscitation Kit-Adult(imported)		2		1					3
7	Fiber optic Bronchoscope		1		1		1			3
8	General Instruments Set		8		4		8			20
9	Hot Pack Unit		1		1		1			3
10	Infant Resuscitator		1		1		1			3
11	O T Tables for General Surgery & Gynaecology		3		1	4				8
12	O T Tables for Orthopaedics		1		1	1	1			4
13	OAE Tester-Hearing Screener		1		1		1			3
14	Open Care System		1		1		1			3
15	PH meter		1		1		1			3
16	Streak Retinoscope		1		1					2
17	Traction Unit		1		1		1			3
18	Transport Incubators		1		1		1			3
19	Vacuum Extractor		1		1		1			3
20	ECG 12 channel - Page printer with cart.			3						3
21	Multiparameter Monitor			7						7
22	Video colposcope			1						1
23	Yag Laser Double Frequency			1						1
24	Elisa Reader with printer and automatic washer			1						1

S. NO.	Item Description	Jammu	Baddi	Basai	Biwadi	Ludhiana	Manesar	Noida	Jhilmil	TotalQty.
25	Blood Gas Analyser			2						2
26	Ultrasoud machine 3 D with colour Doppler			2						2
27	Microscope			6						6
28	Rotary Microtome			1						1
29	Neonatal ventilator			1						1
30	BIPAP			3						3
31	Multiple Vitalsign Monitor			6						6
32	Portable Ventilator			3						3
33	Resuscitation kit with trolley			3						3
34	Syringe Infusion Pump			9						9
35	Volumetric Infusion Pump			3						3
36	Incubator			6						6
37	Water bath			5						5
38	Cell Separator			1						1
39	Cell Washer			1						1
40	Donor Couch			1						1
41	Platelet Incubator & Agitator			1						1
42	Sterile Tube Connecting Device			1						1
43	Anaesthetist Stool/Chair				4		8			12
44	Jet Ventilator					1				1
45	Surgeon Stool/Chair						1			1
46	Vital Sign Multipara Monitor							26		26
47	Automated Visual Field Analyser with printer(Perimeter)							1		1
48	Vital Sign Monitor (23) with Central Monitoring Station(3)							1		1
49	Video Colposcope							1		1
50	Laparoscopic Cholecystomy Set								1	1
51	TURP Set								1	1
52	LRD Bed/Table								3	3

S. NO.	Item Description	Jammu	Baddi	Basai	Biwadi	Ludhiana	Manesar	Noida	Jhilmil	TotalQty.
53	Examination Table								2	2
54	Bi-Planner C-arm image intensifier	1								1
55	Ventilator Critical care	1								1
56	Multi-para bedside monitor	2								2
57	Emergency resuscitation kit	1								1
58	Fetal monitor	1								1
59	Mortuary Chamber							1		1

Part II: Required Delivery Schedule:

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

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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 VI:

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. 01
Auto Stainer
High throughput robotic stainer to process up to 11 racks at one time.
Simultaneous staining of various different staining protocols.
18 reagent stations and 5 wash stations of 450 ml capacity.
Programmable for 15 programs of upto 25 steps with incubation time setting fro 0 to 99 minutes 59 seconds.
Integrated oven with temperatures setting from 30º to 65º for optimal slide drying.
Continuous loading and unloading of slides via rack entry and exit door.
Agitation programmable from 0 to 20 times or continuous.
Programmable up and down movement of robotic arm.
Fume extraction fan with charcoal filter to remove hazardous fumes.
Gentle vibration to slide rack during lifting to reduce carry over contamination.
Audible warning buzzer in case of any error during operation.
Should be CE approved.

Item No. 02
COLD PACK UNIT
· Must be Five Cubic Feet of Storage and able to hold 12 Gel packs
· Should have adjustable thermostatic control and drain for defrosting
· Dimension 27” deep, 34 “ high has to be a cooler and not a freezer
· Have to provide compressed cold therapy pack for extremities able to 360 degree around the injured area made out of durable Nylon outer chamber.
· Must provide Body ice packs with non-freezing gel
· Must be made out of PVC Vinyl exterior and available in different sizes for different body parts cervical, lumbar, and extremities
· Should able to hold temperature up to 30 minutes
· UL-listed, ETL/CE and CSA –approved with 220 volts option available

Item No. 03
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. 04
Cryo Surgical Unit
1. Facility to cutoff gas line without closing cylinder while inter changing probes.
2. Twin Trigger system to frost and defrost.
3. Cleaning the inner hypodermic needle should be much easier
4. System should be operated by CO2 or NO2 gas.
5. Console to house cylinder with temperature indicator
6. Probes Tips: Exo Cervical, Endo Exo Endo cervical and long Endo Exo Cervial, HPV, Flat and Round in
different sizes and shapes.
7. System high quality and reliability.

Item No. 05
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.
3 .7 Technical Specifications for washer
3.1 Auto strip washer for 96 well plates / strips
3.2 1 x 8 strips/ 1x12 strips.
3.3 Dispensable wash volume 50 - 300 µl.
3.3a Residual wash Volume -<0.5µl
3.4 Aerosol Shield for user safety.
3.5 In built shaking facility
4 System Configuration Accessories, spares and consumables
8-12 channel manifold, all tubing sets, wash, rinse and waste bottles
Maintenance kit to be provided.
4 System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 Halogen Lamps : 2
4.3 Printer inbuilt or external to be supplied along with 10 Rolls/Z Fold
4.4 Dust cover.
5 Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0
-50deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -
40deg C and relative humidity of 15-90%
6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Resettable over current breaker shall be fitted for protection
6.3 Suitable voltage corrector/stabilizer
6.4 Suitable UPS with maintenance free batteries for minimum one-hour back-up
should be supplied with the system.
7 Standards and Safety
7.1 Comprehensive training for lab staff and support services till familiarity with the
system.
7.2 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular
requirements for the application of ISO 9001 applicable to manufacturers and
service providers that perform their own design activities.
7.3 Should be FDA or CE or ISI approved product
8 Documentation
8.1 User/Technical/Maintenance manuals to be supplied
8.2 Certificate of calibration and inspection from factory.

8.3 List of Equipments available for providing calibration and routine maintenance
support as per manufacturer documentation in service / technical manual.
8.4 List of important spare parts and accessories with their part number and
costing.
8.5 Log book with instruction for daily, weekly, monthly and quarterly
maintenance checklist.
The job description of the hospital technician and company service engineer
should be clearly spelt out

Item No. 06
Emergency Resuscitation Kit (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. - 7
Fibre optic Bronchoscope
Bronchoscope should have:
Field of view: 120deg.
Depth of field : 3-50mm
Tip deflection up/down : 180/130deg.
Distal diameter : 4.9 mm
Insertion tube diameter : 4.8mm
Diameter of working channel : 2.8mm
Insertion tube working length : 600mm
Total length : 900mm
Sharp, smooth image
Ergonomic control section
Easy insertion and excellent maneuverability
Compatible to electrosurgical treatment
Light Source should have :
Compatible light source (Xenon / Halogen) with fibre-optic cable & back-up lamp
Standard Accessories like :
Foreign Body Retriever Forceps
Tempo-nation Balloons
Magnet Forceps
Biopsy Forceps
T.B.N.A Needles
Cytology Brushes(Disposable/Reusable)
Coagulation Probes
Sampling Bottles.
Leakage Tester

Item No. - 8
General Instruments Set
CATHETERISATION TRAY X 10
Sponge holder 8" - 2 nos
Artery forceps straight 9" - 1 No
S.S. Bowl 10 cm - 2 No
S.S.Kidney tray 10" - 1 No
S.S. Adoptor - 1 No
SPINAL TRAY X 10
Sponge holder 8" - 2 No
Artery forceps curved 7" - 1 No
S.S. Bowl 10 cm - 2 Nos
S.S.Kidney tray 10" - 1 No
BASIC SET x 10
B.P. Handle No.3 - 2 Nos
B.P. Handle No.4 - 2 Nos
Dissecting Forceps Plain 7" - 2 nos
Dissecting Forceps Plain 8" - 1 no
Dissecting forceps Toothed 7" - 1 No
Dissecting Forceps Toothed 8" - 1 no
Adson Dissecting Forceps Plain 6" - 1 No
Adson Dissecting Forceps Toothed 6" - 1 No
Towel clip 5" - 6 Nos
Cd. Scissor Suture Cutting - 1 No
Mayo Scissor Cd. 9" TC - 1 No
METZScissor Cd. 8" TC - 1 No
Mayo scissor 8" st. - 1 No
Mayo Scissor 8" - 1 No
Needle Holder 7" Mayo hegar - 1 No
Needle Holder 8" fine - 1 No
Needle Holder 7" Mayo hegar - 1 No
Artery Forceps Cd. 8" - 2 Nos
Mosq. Artery Forceps Cd. - 4 nos
Mosq. Artery Forceps st. - 2 No
Artery Forceps Cd. 7" - 6 Nos
Artery Forceps St. 7" - 2 Nos
Allis Forceps 7" - 4 Nos
Babcock Tissue Holding Forceps 67" - 2 Nos
Probe and director - 1 No
Suction Tip No. 1, 2, 3, 4 - 1 No
Yaunker's Suction with detatchable tip - 1 No
Mixture Clamp 7" - 1 No
Langenback Ret MEDIUM - 2 No
Langenback Ret SMALL - 2 Nos

“C” Shaped Retractor (pair) small & med - 2 Nos
Sponge Holder 8" - 4 Nos
Skin hook sharp - 2 nos
Vein loops - 2 nos
S.S.Bowls 10 cm - 4 Nos
S.S. Kidney tray 12" - 2 nos
PILES EXTRAS x 3
Sims speculum med - 1 No
Sims speculum small - 1 No\
Sims speculum large - 1 No
Speculam with one handle - 1 no
Proctoscope small - 2 Nos
Proctoscope med - 2 nos\
Proctoscope big. - 2 Nos
Artery forcep cd 8" - 2 Nos
Venesection cannula 16,18,20,22 - 1 each
Proctoscope small - 2 Nos
Proctoscope med - 2 nos\
Proctoscope big. - 2 Nos
Piles needle - 1 no

Item No. - 9
HOT PACK UNIT
· Must be full stainless steel unit with wheels with option to easily change water and heating capacity of upto 12 large packs at one time and temperature preset at 167 degree F.
· Should have a PVC coated and low-water cutoff feature with special insulate to preserve heat and help conserve power consumption
· Must come with built in adjustable thermostats and provide lighted on/off switches
· Should have concelead elements, coved bottoms, coated racks and hospital-grade power cord
· Unit must have inside mesh and hangers to hold the pads for proper stable heating to transfer
· Unit should be provided with different size white clay pads and able to hold temperature upto 30minutes of deep moist heat.
· Hot Packs able to be reused for hundreds of treatments and provide 12 months of warranty
· Should come with durable custom size and shapes Terry covers for hot packs with different sizes for cervical, lower back, extremities and more
· UL-listed, ETL/CE and CSA –approved with 220 volts

Item No. 10
Infant Resuscitator
Manometer Range: 20 to 80 cm H2O (-20 to 7.8 kPa)

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

Item No. - 11
O T Tables for General Surgery & Gynaecology
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 xX-ray permeable, made of bakelite , the frame and the column and the
base cover should be made of stainless steel.
8. Complete cC-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 xX-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, isoISO, cC.eE.
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. - 12
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 carm
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. - 13
OAE Tester-Hearing Screener
Baby screener for measurement of OAE by DPOAE and / or TEOAE tests , hand held, lightweight,
fast automatic tests print out, with measuring probe, screening software carrying case.
Screener should be integrated with evoked otoacoustic emissions (OAE) and brain Stem Responses
(ABR) into a single, portable screening device, battery operated, self- contained with diagnostic
features, to test new borns, children, adults, the elderly and all difficult- to- test patients, storage
memory.
The above system should be supplied with all standard accessories including:
Probe
Adapter
Power cord
- Electrodes 2 each
- Disposable Electrodes – minimum 4 Pkts.
Printer with cartridges.
- Infant Ear Tip Kit-5 sizes
Universal Ear Tips-100
Child Ear Tip Kit
Adult Ear Tip Kit
Comfort cops
Probe cleaning Kit
Labels, video and Software on database.
Carrying case
Operating and service manuals.

Item No. - 14
Open Care System
It should micro processed control and Temperature range should be 25'C to 38'C
Temperature indication range 20'C to 45'C
Power Adjustment (Manual Mode) 0-100%
Display resolution Skin Temp. Should be 0.1'C
Control Precision (skin Temp.) +/- 0.2'C
Alarms: - Power failure
High temp. - +1'C +/- 0.2'C
Low temp. - -1'C +/- 0.2'C
Safety High temp. 15 Min. on Maximum power
Probe failure, dislodged skin probe
Manual Mode – Every 10 Min.
It should have indication for Heating Power bar graph, Sound inhibid, manual mode, servo mode.
It should have metabolic scale with capacity 7Kg display resolution 2gm.
Heater power 560 W
It should have rotary reflector 180◦
Voltage 220 V 50/60 Hz
Height till mattress area should be 1000mm (+/-100mm)*
Mattress dimensions 565mm X 810mm
Bed Inclination grade up to 12◦
It should have height adjustment mortised
It should have X ray cassette tray.
It should have 4 drawers with tray.
It should have observation lamp.
It should have blender set for O2 support with two flow meters with one humidification flask and O2 mask with 1.5 meter hose.
It should have aspirator with vacuum meter mounted on the front panel.
It should have gas panel with two O2 and two compressed air and one vacuum outlet, ABNT slandered.
It should have I.V. Pole.
It should have upgar timer 0 to 10 Min.
It should have tray for monitor

Item No. - 15
PH meter
Meter, Electrochemistry, pH/mV/ deg. C Meter Kit; Large LCD; -1.99 to +19.99 pH, 0 to +/-999mV, -5 to +100 deg. C ranges; ATC, Autorecognition of 5 pH buffers, 1 to 5 calibration points

Item No. - 16
STREAK RETINOSCOPE
The unique optical design provides the first truly bimodal Retinoscope with just a quick bulb change. A true streak or

spot - no compromises.
Features
· Brilliant, bright halogen illumination
· Earth magnetic signke control for rotation, convergence and divergence
· Double neutralization check makes it easier for students
Two position apertures that optimize brightness of the retinal reflex

Item No. - 17
Traction Unit
· Must be FDA approved decompression-traction unit
· Should able to deliver decompression therapy along with 3-channel of light therapy to muscle stimulation and blood circulation
· Should able to deliver light therapy treatment and decompression simultaneously.
· Should have a touch screen interactive display for easy treatment set-ups and easy angle selection and must come with treatment protocol manual
· Must provide along with the package Angle reference chart
· Should able to automatically calculate and digitally display the rope pull angle for decompression and traction as per the treatment protocol
· Must provide a 8”x 10’ Infrared light Pad unit for muscles relaxing and muscle spasms
· Must have built in training information for traction and light therapy protocols
· Should provide protocol manual for light therapy and lumbar and cervical protocol manual
· Must be a build in computerized software package and protection against accidental setting of force-must have a safety switch for emergency shut of
· Should come with Flexion stool, Knee bolsters, Cervical pillow, Ankle bolsters, and decompression belts thoracic and pelvic.
· Should provide with a 4 section motorized table hi/lo with clamps, frame attachments for connecting the traction unit
· Should be a certified class device with all CE mark and US FDA approved Unit, and must provide proprietary certificate and IEC 60601-1(CE) and CSA/NRTL

Item No. - 18
TRANSPORT INCUBATOR
· Built-in membrane pump & receiver bottle complete within the incubator chassis, with ECG, SPO2, NIBP monitor.
· Oxygen flow meter & 1 lit O2 cylinder with clear front panel display of pressure completely integrated within the incubator.
· Manual temp. setting with over temp (40º C) audible & visual alarm.
· Internal lighting
· Removable infant tray.
· Special straps to fix the transport incubator securely to all stretchers in both ambulance & helicopters.
· Harness to secure the infant on the tray.
· Power supply: Main supply and dry battery (12V) or mains power supply of ambulance/automobile/helicopter.
· Should have a 25x10 mm rail at the back of transport incubator.

· Relative humidity up to 60% C distilled water.
· Weight with 1 lit O2 tank not to exceed 25 kgs.
· Unit should be completely detachable from trolley for putting in plane.
· Unit should be complete with all accessories and startup kit, extra dry battery for 12 hours work, probes electrodes etc.

Item No. - 19
Vacuum Extractor
1. Noiseless suction unit have fast vacuum built up
2. Vacuum should have maximum -90 k pa/-675 mm Hg, Suction capacity 50ltr/min/1kg/cm2 & bottle capacity 3ltrs
3. Suction system should have piston / cylinder (self lubricating)
4. Should have mechanical overflow protection system .
5. Set of silicon cups 50mm & 60mm-2each
6. Set of bird cups, stainless steel 40mm, 50mm & 60mm-2each
7. Machine can be operated on 220-240 V AC single phase
8. Should be provided with a gauge to display of vacuum generated
9. Should have vacuum release valve.

Item No. - 20
ECG 12 CHANNEL PAGE PRINTER WITH CART
Simultaneous acquisition of up to 12 leads.
Real time continuous recording of 3, 6 and 12 channel.
Recording speeds of 5, 10, 25 or 50 mm/sec
Extensive ECG quality control by AC Noise Filtering and Baseline.
A4 size reports for convenient reading and filing.
Colour coded keys for case of cperation.
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.
Optional accessories e.g., stand, cables, electrodes etc. Should be quoted separately.
Consumables for one year, (a list should be attached)
Service and operation manual complete.

Item No. - 21
Multiparameter Monitor
Loght weight protable.
Modular design.
screen display of LCD/TFT with high resolution 12-15" size.
Combination of parameter should include standard: - ECG, SPO2, NIBP, 2Temp.,
02 invasive lines with reusable transducer and dome system. ECG should be good
quality tracing with ST analysis and arrhythmia detection. SPO2 with wayeform:
NIBP with systolic, diastolic, mean arterial pressure.
User definable setting.
Minimum 48 hrs Tabular and graphic trends in memory.
Safety alarms for each parameter in the select range, power failer.
Emergency battery back up with a sealed rechargeable battery.
Standard accessories: patient lead/ probs for the signs.
Instalation wall mounted

Item No. - 22
VIDEO COLPOSCOPE
· Qualify stereoscopic optics. Facilities assessment of the finest epithelial changes.
· Ergonomic design: For convenient and fast positioning and focusing of colposcope
· Compact size: To conveniently fit in all OPD rooms and allow it to be moved for other OPD
rooms
· Straight and inclined Binocular tubes: for best viewing experience
· Objective lenses: with different focal lengths allow user to select the convenient working
distance.
· Different magnification settings: allow user to study epithelium at high magnification and carry
you treatment at low magnification.
· Swing in vessel delineation fitter: For improved visual activity.

· Optimum cold light illumination system: Help distinguishing small color differences in epithelium
Suitable for tuboplasty (with swivel Arm Stand) & other Micro Surgical Procedure.

Item No. - 23
Yag Laser Double Frequency
A. PHOTOCOAGULATOR
MODE OF OPERATION : Continuous wave
TYPE : Solid state laser b
WAVELEGTH : 532nm
COOLING : Air cooled
AIMING BEAM : Continuous wave, diode laser, 635nm
B. SLIT LAMP
SPOT SIZE : 50-1000µm
PROTECTION FILTER FOR SAFETY
MAGNIFICTION : 5step
ILLUMINATION UNIT : Slit width and length 0-14mm
Filters : blue, red-free, heat absorbing
Halogen lamp
POWER SUPPLY : 240V, 50-60Hz
BASE UNIT to alloew longitudinal, lateral and vertical movements
C. SLIT-LAMP ADAPTER
D. Motorrized table
E. Mainster and PRP lenses
F. UPS 1000 VA

Item No. - 24
Elisa Reader with Printer and Automatic Washer
Elisa Plate Washer
Fully automatic 96 well elisa plate washer
Programmatic for all plate type
Residual volume less then 2 micro liter
Bottle set for wash, rinse and waste liquid
Pressure free dispensing system
Manifold position sensor
Automatic rinsing
Liquid Level sensors and bubble detection
Aerosed Cover
Minimum 20 wash protocols memory
LED Display
RS 232 interface

Power requirements 220v - 240v
CE/FDA Certification
Elisa Plate Reader
Ability to read different microplates
Measurment channels 12, Reference channel 1
Single and dual wavelength messurement with facility for kinetic move
Wave length range 340- 750 nm
filters 405, 450, 492, 620, 550, 690 nm
Absorbance range 0 to 4.0 OD
Accuracy and precision +_ 0.005
Resolution 0.001 OD
Maximum measuring time 8 seconds
Plateshaking made with selectable time and speed
Blank mode setting
Broad Touch screen
Display of opuation and display of results
Halogen lamp with prefailure warning
Membrane keyboard.
Storage of at least fifteen user programmable tests
software for quality control and self calibration along with QC plate
RS 232 interface
Power supply 220v - 240v
Dust proof cover
CE certifited / FDA
External laser printer
Single Phase UPS with battery back up for at least 30 ft

Item No. 25	
BLOOD GAS ANALYSER	
a FULLY AUTOMATED Ph/Blood gas/electrolyte analyzer measuring the following parameters:-	
pH, PCO2, PO^2, Barometric pressure, Na, K, Ca, Cl	
Should be able to take sample through syringe and capillary by automatic sucking method.	
All calibration and cleaning cycles should be fully automated with user selectable calibration	
items.	
Calibration should be performed by liquid calibration for all parameters.	
The system should have on board data manager to store all patient results, Qc data and	
calibrations.	

The system should have a closed waste system. Also all the system reagents should be	
monitored continuosly.	
A power fail protection for at least 20 min. to take all calibration and programmed data.	
Equipment with alphanumeric key board/touch screen., suitable readable screen.	
A built in thermal printer should be provided to print out patient results.	
The system should work in discrete testing, i.e. selectable parameter testing.	
CE/FDA Aapproval	

Item No 26
Ultrasound Machine 3D with Color Doppler
It should be robust state of art, fully digital system capable of performing imaging
application in abdominal, obs/gynae , musculo sketeal, cardiovascular, small part etc.
It should be eaisly traspoartable and capable of performing bed side examination
in operation theater, endoscopic and intervention suits.
1. System should have board band all digital beam former capable of processing singles from 2-18 MHz with tissue specific preset and enhanced spatial focus and resolution and complex pulse design and wave form excitation.
2. System should have advance image processing softwere algorithm to analyse target and artifacts so as to sharpen target anatomy and reduce/eliminate artifact and improve resoluction for example separate two objest 0.2mm apart laterally (laterl resoluction) at 11 MHz approx.
3. System should in corporate facility for high resoluction 2D , M-mode , PW,CW,color flow imaiging modes, colour sdge processing.
4. System should have real time triplex mode facility in 2D, colour and Doppler modes with at least 20 frames/sec. or higher .
5. System shoyld have color campare mode color /color power mode and normal gray scale mode side by side or equivalent.
6.System should have quad &thumbanail display etc.
7. System should have dynamic range of 180db or higher. Higher will be preferred.
8. MI & TI should be displayed on screen.
9. System should have more then 500 frames per second and high PRF (5k) mention rate highest will be preferred.
10. System should have scan dept of 30cm or more.
11.System should have 256 shades of gray display and a frame rate of 100/Sec or higher.
12. System should have facility for real time or frozen, pan or point zoom upto 8times.
13. System should have cineloop review possible on all modes for individual and mixed loops for more then 5000 frames and more 30 seconds of spectral doppler and m-mode strip.
14. System should have 120 or more transmit channels and 20,000 or more receiving channels with on site upgradability to higher number. Full spectrum imaging where whole of band width is utillized.
15.Sytem should have automatic as well as manually adjusable touch screen guided control of :-
i) Focus Transmit and dynamic recive at multiple dept individually and simultaneously.
ii) Frame rate for B mode, color, compounded resolution ect.
iii) Dynamic range compression.
iv) Pre-processing such as edge enhancing, beam line density.
v) Post processing such as image persistance, speckle reduction.
vi) Real time compound resolution image no of viewing angles and lines per frame (<9)
vii) Audio adjustments.
viii)Adjusttable "packet" size in phase shift analyses for example 10 or move transmit and receive sequences.
16. System should have panoramic extended field of view and trapezoidal view on linear propes.

17. System should independent steering of B mode and color on linear probe.
18. System should have 3D acquisition and analysis package for e.g. free hand 3D ,static 3D, multislice view capabilities.
a. Data Acquisition : free hand, mechanecal & electronic and gated techiniques.
b. Transducer : matrix acquisition for faster scan rate with better damping of traansducer element for sharper focus.
19. It should have advanced issue harmonic imaging on all probes such as fundamental,phase inversion , coded Octave and Intravenous US contrast tuned imaging and quantification.
20. It should have cardiac package and probe for adult and fetal echo cardiography e.g. myocardial velocity, stress & strain quantification, quality intima media thickness, tissue velocity maping and peripheral vascular study optimization programmes.
21. It should have extensive software and automatic and user programmable calculation packeg for gray scale color Doppler, 3D applications.
22. It should have a 17"hight resolution medical grade LCD screen monitor with articulated arm.
23. It should be provided with following transducers, board band full spectrum functioning, with colour, covering 2 to 18 MHz.
• Convex Abdominal 3-6 MHz Approximately.
• Endocavity (TVS+TRUS)5-9 MHZ approx. with 200*R.
• Linear high frequency 6-18 MHz approx.
• Micro convex phased array 2-5/3-6 with cardiac capabilities.
The configuration may vary according to manufacturer but all function should be served.
24. It should be capable of supporting at least three or more transducers ports with switching from consol.
25. System should have built in image Management Software, for off line application when patient has gone after examination, such as image Manipulation, Multi Planner reformating, etc. its should have hard disk memory of 360GB or more with built in CD/DVD read write and limitless connectivity e.g. USB/HDD/CD/DVD.
26. For paralle processing of imaging Data system should be provided with a separate latest Pentium i3 (2.9GHz) configuration with 1Tera Byte Hard based station with USB and serial port with 19" LCD medical grade monitor with very high quality image management Software (e.g.radion) with same capabilities as main machine such as retriving data along Demography, Zoom, Pan, retrieving information from CD/DVD wretriving and Teleradiology Software exporting JPG & AVI file format to link other state in the hospital information service (HIS), RIS & PACS server. iIt should have minimum memory storage for about 100 patients per day and cine loops for 6 month's work.
27. System should be provided with black & white tharmal printer & colour laser printer capacity of printing 3000 sheets per cartride and 3000sheet for starting work.
28. On line UPS for 2KVA or more as appropriate for supporting main equipment &all line accessosies for 30 minutes should be provided with system machine should have high inherent voltage fluctuation protection.
29. Standard accessories such as various cuffs, elbow rest, standardization phantoms, bio guides & needles etc. should also be provided.
30. Syatem should be upgradable to :
a. Elastography and sound speed measurement free of cost as and when it
become available with the Company.
b. Comparison/super imposition/fusion with CT/MRI images obtained by teleradio.

ITEM NO. 27
microscope
a) Optical system infinity color corrected optics, antifungus treated.
Eye pieces: 10X wide fied (FV 22 or more) with inter pupillary distance 48-75mm with dioptic adjustment both side, eye guards, eye level riser.
a) Objectives: Bright field infinity color corrected optics, antifungus treated 4X,10X,40X,100X oil immersion. In changing from one objective to anther or reintroducing the same objective by rotation of the nosepiece, the center of the field should not apper displaced by more then 0.02mm in object plane.
b) Nosepice : Revolving, reversed (inward) tilt
c) Tubes : Siedento f tiltable Binocular tubes with minimum inclination 25-30 degrees .
d) Stage : uniformly horizontal, scratch resistant, rackless, rotatable stage with right hand operation & single slide holder with a stage upper limit stopper.
e) Condenser : issuing out universal with numerical aperture of 0.9/1.25 with position for bright field should have a removable filter holder, swing in, blue filter for bright field.

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

Item No 28
Rotary microtome
Accurate reproducible section of same thickness of high quality throughout the length
of the specimen travel.
Specimen advance 1-30µm, 1µ steps selectable.
Coarse specimen advance about 200 µm/revolution.
Specimen tilted = +/- 5^0 with x nad y Micro adjustment.
Ergonomic balanced flywheel.
Brake for flywheel.
Total specimen advance about 18mm.
Audiovisual alarm at beginning and end of travel range.
Disposable blade holder for both high and low profile blade.
Spring loaded disposable blades.
List of installations to be provided.
FDA /CE Certificate required.

Item No 29
NEONATAL VENTILATOR
The ventilator should be microprocessor based for exclusive use on neonatal patients with sensitive monitoring
functions and alarm limits
a) Essential
Ventilator
Air compressor

Resuable Circuit with online bacterial filter
Humidifier
Stand for circuit
Operator manual
Service manual
b) Modes of Ventilation
a. Time cycled pressure limited ventilation - Pressure controlled ventilation, Pressure - SIMV, Pressure
Support, combined SIMV with PS, CPAP,
c) Controls
a. Time cycled pressure limited ventilation
Ventilatory rate-o-150 bpm
Inspiratory time-0.1-3.5 sec
Flow-3-15 lpm
PEEP-0-10cm H_2O
Peak Inspiratory Pressure-0-50 cm H_2O
I:E ratio-1: 0.5 - 1:5
Measured Oxygen concentration - 21 - 100%
Support pressure - 0 - 50 cm H_2O
Trigger sensitivity - flow sensor - 1 - 51/min &
PRESSURE "-6"
Wide rang of TV 2 ml to 200 ml.
Optional : Ability to use nebulizer circuit for
bronchodilator etc.
d)Displays
a. LCD/TFT color Graphic Display
b. Waveform for pressure, flow and volume
c. Loops - pressure- flow, pressure - volume, volume - flow
d. Measured parameters -
Tidal volume (preferably measured at pt. end
rather than vent end)
Minute ventilation
Spontaneous
Peak airway pressure
Positive end expiratory pressure
Mean airway pressure
FIO2
e)Audiovisual Alerts
a. Sensitive alarms with adjustable high and low limits for the following parameters
Peak airway pressure
Respiratory rate
Mean airway pressure
Minute ventilation
Oxygen concentration

Tidal Volume
a. Miscellaneous Alarms
Compressor failure
Failure of sensors
Airway Leak
Tube obstruction
Power loss
Low oxygen pressure alarm
Apnea
Ventilator inoperative
b. Alarm Mute - 120 sec
b)Miscellaneous
a. Should operate on power supply- 220 V AC- 50/60 Hz
b. Internal or external battery/ UPS with AC charging and should last for atleast 4 hours
c. Attached air/ oxygen blender
c)Humidifier:-
a) Servo controlled humidifier with temperature monitoring
b) Temperature range 31-40^0 C.
c) Temperature control +2^0 C
d) Digital display of temperature
e) Water level indicator
f) Alarm - Temperature tracking range +2^0 C
g) Reusable neonatal ventilator circuits compatible with servo controlled humidifier with heater wire and
water traps - 4 no.
v The following accessories should be supplied along with the ventilator:
a) Disposable/ autoclavable neonatal ventilator circuits compatible with servo controlled humidifier with
heater wire and water traps - 10 no.
b) Nebulizer chamber- 2
c) External oxygen & compressed air tubing- 2 each
d) Test lung- 2 No.
e) Oxygen sensor - 2
e) Flow Sensor (reusable) - 2No.

Item No 30
BIPAP
Non invasive ventilation/ bipap with LCD display of parameters with following features
• IPAP range 6-30 cms
• EPAP range 4-20 cms
• Respiratory rate can be set to 4-40 bpm
• Spontaneous / CPAP/ spontaneous with time/ timed
• Connectors for ET tube available for direct connection

• Should have CPAP, PSV ST, PCV, PACV modes
• Should have facility to set target tidal volume
• Inspiratory time should be possible to set allowing critical patients to breathe out.
The rise time from EPAP to IPAP can be set and varied
The system should be supplied with operator's manual, ultra mirage mask (full mask) , hose pipe and power cable

Item No 31
MULTIPLE VITAL SIGN MONITOR (MULTIMONITOR)
It should have modular design with color coded
interchangeable modules.
It should have valid FDA approval and CE certification.
It should function on AC mains and should have rechargeable
internal battery of more than 2 hrs. capacity.
Monitor should have port for connectivity to central nursing
station and hospital local networking system.
It should have bright and highly visible TFT screen display of
14" to 18".
Should have capability to monitor at least 6 real time wave
forms along with related numerical parameters on a single
configurable screen.
It should monitor SPO2, pulse rate, ECG, NIBP, Respiration,
2 Temperatures 2 Invasive pressures,
with provision of suitable audio visual Alarms
It should have capability to monitor the above parameters in
adult, Pediatric patients.
The size of numeric and wave forms should be adjustable.
Colors of display of various parameters should be
interchangeable.
It should have facility for monitoring 12 lead ECG.
It should have minimum of 24 hrs. graphical, tabular
trending facility.
It should have advanced multilead arrhythmia analysis
capability.
Standard accessories and peripherals for monitoring the
parameters mentioned in Para 7 adult & Pediatric
patients should be provided.

Item No 32
Portable Ventilator
1. Micro turbine controlled intensive care ventilator adult and paediatric
2. Should have invasive – non invasive ventilation
3. Ventilator should weight not more than 5kg (five kg)
Modes:

1. Should have the following modes-
A. PCV (pressure controlled ventilation) / PACV (pressure assisted controlled ventilation)
B. CV (controlled volume)/ acv (assisted controlled volume)
C. SIMV (synchronous intermittent mandatory ventilation)
D. PSV-S(pressure support ventilation) / PSV-ST (pressure support with a back up rate)
E. CPAP (continuous positive pressure)
F. Should have target tidal volume available with all dual pressure modes
Parameter settings:
A. Tidal volume : 50-2000ml
B. Rate: 4-60bpm
C. Inspiratory flow rate:0 to 200 1pm
D. Peep: 0-20mbar
E. Inspiration pressure: 4 to 60 mbar
F. I/E ratio:1.0-3.0
G. I/T ratio:25-50%
H. FiO2 measurement from 21 to 100%
I. Should have inspiratory trigger
J. Should have exhalation trigger
K. Should have sigh
L. Should have integrated SpO2 monitor
M. Should have double limb ventilation
N. Should have battery back up for at least 10 hours
O. Should have availability to change the flow pattern in volume control (rectangle and decelerate)
P. Ramp control for pressure modes
Alarms
Should have minimum & maximum inspired tidal volume alarm
A. Should have minimum exhaled tidal volume leak maxi alarm
B. Should have fr(frequency) maxi
C. Should have min &maxi inspiratory time
Monitoring & display
A. Should have vent parameters: inspired positive airway pressure IPAP (inspired pressure)
EPAP (positive exhalation pressure) inspired tidal volume, leak , breath rate ,
FiO2,SpO2,I/E, inspiratory time
B. Should have alarms, graphics, alarm history, general configuration, preferences, curves
configuration, maintenance menu and sub menu.
C. Should have pressure volume loop, and flow volume loop

Item No 33
Resuscitation kit with trolley
Should consist of self – inflating, Silicon resuscitator bags for adults, and pediatric with three joint
less masks each, should be reusable and autoclavable.

Adult Resuscitation Bag:-
Silicon resuscitator 1600ml with oxygen reservoir and tubing, Non – rebreathing valve with
pressure limiting device.
Three face mask size 3, 4 & 5
Three oropharyngeal airways size 2, 3 & 4
ten Endotracheal suction catheters
One McGill Forceps
Three reusable cuffed Endotracheal Tubes sizes 6, 7 & 8
Gum-elastic Bougie
Laryngeal mask airway
Peadiatric Resuscitation bag:-
Silicon resuscitator 500ml with oxygen reservoir and tubing, Non-rebreathing valve with pressure limitinh device.
Two face masks sizes 2 & 3
Three oropharyngeal airways sizes
Ten Endotracheal suction catheters
One McGill Forceps
Three Reusable cuffed Endotracheal Tubes size 3, 4, 5.
Gum-elastic Bougie
Laryngeal mask airway
SS Trolley to fit in the above gadgets in appropriate way.
Laryngoscope of superior quality with 4 blades, ISI Marked, Round handle with three spare bulbs.
Two yankauer suckers
Magill blades 0, 1, 2
Surgical Scissors size 6"
Bains Apparatus

Item No 34
SYRINGE INFUSION PUMP
Light weight, comfortable design, portable, and sturdy.
It should Support Syringes sizes: 10, 20, 30, 50/60ml
It should have Dual display facility (LCD & LED)
It should automatically detect the Syringe capacity
It should support Bolus and occlusion detection facility
KOR/KVO function to prevent needle from clogging Syringe Pump
Syringe Acceptability: All available standard Indian and Imported syringes.
Syringe Loading: Front loading arrangement.
Flow _ Rate Range:
Syringe capacity
10ml
20ml

30ml
50/60 ml
High Flow - Rate range (There should be a provision of password protection for safety reasons)
Syringe capacity
10ml
20ml
30ml
50/60 ml
Bolus Flow Rate
Syringe capacity
10ml
20ml
30ml
50/60 ml
Volume Limit: From 0.1 ml to capacity of syringe
Accuracy: Volume: +/- 2% max
Flow rate: +/- 2% max
Cumulative Volume Display: 0.1 - 999.9 ml
Alarms: Unit must have standard alarms (low battery, low volume, occlusion, power failure,
system error etc.)
Standard 110-240V AC 50/60 HZ power supply
Rechargeable inbuilt Lithium/lead acid battery with inbuilt battery charger.
Standard IV pole mounting device, stand and handle grip.

Item No 35
Volumetric Infusion Pump
Description of Function
Volumetric Infusion Pump is a medical device that delivers intravenous fluids and medicine to patients in
hospitals, outpatient surgical centres, hospices, nursing homes, and in ambulances
Operational Requirements
Programmable volumetric infusion pump is required.

Technical Specifications
Battery back-up operating time 5 hours.
LCD programming display
Data entry calculator style numeric programming keyboard
Pole clamp Multi-function mounting clamp
Nurse call output alarm, time and date settings
Quick titration of rate or dose with volume-time programming
Flow rate range (primary) 0.1 to 99.9 ml/hr. (0.1 ml increments) and 1 to 1000 ml/hr. (1ml increments.)
Volume to be infused 0.1 to 99.9 ml (0.1 ml increments) and 1 to 1000 ml (1 ml increments)
Both flow rates and volume to be infused should be configured to limit the maximum allowable range
RS232C/USB/RS485 output for Printer, PC connectivity and Data acquisition with selectable baud rate
options should be there
Accuracy $\pm$5%
System Configuration Accessories, spares and consumables
Compatible with standard infusion sets required with the unit should be supplied by the vender supplier and
the same should be made available in local Indian market
1000 numbers of required infusion sets should be supplied with the single unit.
Environmental factors
Shall meet General Requirements of Safety for Electromagnetic Compatibility.
The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative
humidity of 15-90%

Item No 36
INCUBATOR
Stainless steel make, inner full length plexi- glass door.
Triple wall with special grade glass wool insulation
Long lasting stainless steel tabular heaters with fins
Removable wire mesh trays at fixed distance : Min. 2 Nos.
Air circulation: Forced air motor with blower for uniform temperature.
Temperature range, ambient + 5^0C to $80^0 \pm 1^0$C
Resolution controller/Digital indicator for Temperature
Size 24"x 24" x 24". and Door swing 65 cms
Operation at 230V AC.
Double door with innser glas dor
Cord and plug
Remarks :

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

Item No 37
WATERBATH
Stainless Steel, insulated double walled, inner wall of stainless steel,
Thermostatic temp. control from ambient to 85 - 90^0C($\pm$0.5^{0}C)
complete with immersion heater, Aluminium/SS cover,
brass drain cock, 220-240 volts AC, 50Hz,
Dimensions: outside:- 36x41x25 cms; inside:- 27x30x15 cms; Power : 480W;
Digital microprocessor display to set temp. point preventing thermal runaway.,
Seamless reservoir with no welds to leak or rust,
See-through cover is hinged and removable, and steeply gabled to accept taller samples.
IEC-1010 approved.
cord and plug
Remarks:
Equipment quoted should comply with Indian Standards Institutions Guidelines or any other
National or International Guidelines. Voltage regulator of appropriate rating to be included to cope with 160-260 V

Item No 38

Cell Separator

Should be Fully automatic, Microprocessor controlled with easy access operator control panel and

has a large touch screen.
Should Perform both Single and Double needle Apheresis.
During single needle procedure the equipment shpuld continue to process the whole blood during the return cycle to reduce the procedure time and increase the efficiency.
Should have auto elutriation separation technique to be able to collect platelets faster with high collection efficiency to help process less blood volume.
The disposable kit for the machine should be True Closed system disposable with pre-attached factory fitted ACD, Normal Saline and Needles as required.
Equipment should ensure all donor safety parameters before starting the procedure and all time during operation.
Should be Capable of collecting various single donor blood components including Peripheral Blood Stem Cells (MNC). Should be able to collect both single and double needle Platelet apheresis along with concurrent Plasma and/or RBC
Should be capable of fully automatic PBSC (MNC) collection .. Should be Capable of doing Prime only with Normal Saline and / or mixture of Normal Saline and ACD.
Should have a Inbuilt Cuff pressure and prompt grip for donor comfort and adequate blood flow.
Should have a Facility to use platelet additive solution and / or normal saline for re-suspension and storage fluid in place of plasma.
Machine should have a Advance help menu available at any time during alarm conditions.
Extra corporeal volume should not be more than, 21 Oml & 205ml in case of both single and double needle apheresis respectively ..
Should be equipped with a Yield estimator to help decide yield, volume to be processed and suggested storage fluid and should have a optical sensor at PRP line for online monitoring of component collection against the desired yield.
Should be Capable of downloading or printing full procedure report any time after procedure
Should be Capable to connect bar code reader if desired.
Should have rechargeable battery to store data and restart in case of power failure.
Should have Continuous monitoring of collection to avoid any contaminations through Interface detector.
Inlet and return flow rates should be up to 100 ml./min.
The separation of blood in the machine should be able to automatically maintain a constant hematocrit to improve collection efficiency and reduce contamination

Item No 39
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 40
DONOR COUCH

1. Provide comfortable position to donors
2. Chair type with soft padding for cushioning and rexin cover
3. Ability to adjust donor's position automatically by operating a simple switch
4. Easily tilted to head low position
5.Easily adjustable arm rest with swinging out as well as moving up and down facility
6. Arm rest wide, sturdy to hold donor's arm in a comfortable position throught the procedure of blood donation, provided on both sides
7. Lifting capacity : minimum 130 Kilograms
8. Four lockable castors for easy mobility
9. Trays and stands for keeping all blood collection accessories
10. Input power -220V/50Hz
11. CE/FDA/BIS approved

Item No 41
PLATELET INCUBATOR & AGITATOR
PLATELET INCUBATOR
PLATELET INCUBATOR SHOULD HAVE THE PROVISION TO STORE THE AGITATOR FOR 48
PLATELET BAGS AGITATOR.
SHOULD HAVE CLEAR VIEW SINGLE PANE TEMPERED GLASS
AGITATOR SHOULD STOP AUTOMATICALLY ONCE THE DOOR IS OPENED.
SHOULD HAVE MICROPROCESSED CONTROLLED LED DISPLAY,TEMPERATURE GRAPH
DISPLAY,
SHOULD HAVE STAINLESSSTEEL RTD SENSOR PROBES
SHOULD HAVE PROVISION FOR 4”7DAY INKLESS CHART RECORDER WITH BATTERY
BACKUP FOR CONTINEOUS OPERATION DURING POWER FAILURE.
SHOULD HAVE ALL CONTROLS IN ONE CONVENIENT LOCATION INCLUDING CHART
RECORDER AND ALARM KEY
SHOULD BE ABLE TO MAINTAIN A TEMPERATURE OF 22 DEGREES WITH +_. 1DEGREES
VARIATION.
PLATELET AGITATOR
SHOULD BE ABLE TO STORE MINIMUM 48 RANDOM PLATELET BAGS OR APHERESIS BAGS
OR BAGS OF DIFFERENT SIZES. With GENTLE SIDE TO SIDE MOTION (1 ½” 38MM)
SHOULD HAVE SINGLE FAN FOR FORCED AIR CIRCULATION.
SHOULD BE STURDY ONE PIECE DRAWERS WITH HOLES FOR COMPELETE AIR
CIRCULATION ACROSS BOTH SURFACES OF PALATELET BAGS
Should be CE marked

Item No 42
STERILE TUBE CONNECTING DEVICE
1. Compatible with all standard of different types of blood bag
2. Able to weld wet to wet, dry and wet to dry tubing combinations
3. In built sensor to monitor the temperature during entering welding process
4. LCD display for continuous monitoring
5. Ensure complete sterility of transferred blood
6. No Particle or chemical residues should be formed during the welding procedure
7. Welds should have optimal tube alignment and no leakage of blood of during the process
8. Automatic replacement of wafers after each use
9. Built in wafer disposal box
10. Input power -220V/50Hz
11. CE/FDA/BIS approved

Item No. 43
Anaesthetist Stool/Chair
Should be Revolving
Should have Casters
Should have hydraulic Hieght Adjustment with back rest
Should be FDA Aprroved

Item No: 44
Jet Ventilator
Use for adults and children
Regulator gauge reads 0-60psi
Runs directly from 50 psi source
Used for emergency cricothyrotomy jet ventilation
Smooth stepless control of minute ventilation volume 5- 30 liters per minute
Smooth stepless control of ventilation frequency 30-300/per minute
Smooth stepless insufflation pressure adjustment 0-4 bars
Step-by-step adjustment of inhalation to exhalation rate 1/2, 2/3, 1/1
Measurement and digital indication of respiratory tract pressure – peak, average
Expiratory pressure in the range of 0- 60 cm H2O
Breathing gas humidity at the end of patient's tube no less than 33 mg H 2O per liter
Breathing gas temperature in the standard mode 36 ± 2 degree Celsius
Alarm system:
- adjustable respiratory tract peak pressure alarm
- adjustable expiratory pressure alarm
- power loss alarm
- oxygen supply pressure loss alarm
Indicators:
High-frequency valve and inhalation to exhalation rate indicator
Low oxygen supply pressure indicator - turns on if oxygen supply pressure at the point of entry into the ventilator falls low
Breathing mixture not being humidified indicator
Power supply indicator
Alarm muted/turned off indicator
Power input 220 V, 50 GHz

Item No. 45
Surgeon Stool/Chair
Should be Revolving
Should have Casters
Should have hydraulic Hieght Adjustment with back rest
Should be FDA Aprroved

Item No 46	
Vital Sign Multipara 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, EEG, and BIS and prices to be offered as optional	
ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads.	
Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.	
Haemodynamic and drug dose calculations should be available.	
Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.	
Respiration should be available with Cardio Vascular Artifact filter.	
ICP monitoring should be possible.	
Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)	
24 hours trend data should be displayed.	
All monitors including central station should have similar user interface for usage among all clinicians.	
Monitor shall provide the capability to interact with alarms at remote bedsides.	
Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network.	
Monitor shall provide the capability enter patient information at the bedside or central monitor.	
On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.	
Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.	
Position of the displayed waveforms must be user configurable.	
Waveform color changing should be user configurable.	
Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.	
All modules should be compatible with all monitors quoted.	
Bed to bed communication between the monitors should be possible with out a central station.	
Networking to central station should be possible and price of central station should be offered as optional	
Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.	
Should be compatible with HIS and should be HL7 compliant.	
Monitor should provide remote viewing of real time waveforms through internet.	
Patient monitoring network shall be able to support up to 1,000 monitoring nodes.	
Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.	
Accessories and spares	
1. ECG / respiration: 5 lead ECG cable and lead wire set per monitor	
2. NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor	
3. SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor	
4. IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor	
5. Temperature: Skin and nasopharyngeal probes per monitor.	
The equipment should be CE & US FDA Approved.	

Item No 47
Automated Visual Field Analyzer with printer (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 48	
Vital Sign Monitor with Central Moniotoring Station	
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, EEG, and BIS and prices to be offered as optional	
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 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.	
On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.	
Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.	
Position of the displayed waveforms must be user configurable.	
Waveform color changing should be user configurable.	
Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.	
All modules should be compatible with all monitors quoted.	
Bed to bed communication between the monitors should be possible with out a central station.	
Networking to central station should be possible and price of central station should be offered as optional	
Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.	
Should be compatible with HIS and should be HL7 compliant.	
Monitor should provide remote viewing of real time waveforms through internet.	
Patient monitoring network shall be able to support up to 1,000 monitoring nodes.	
Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.	
Accessories and spares	
1. ECG / respiration: 5 lead ECG cable and lead wire set per monitor	
2. NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor	
3. SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor	
4. IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor	
5. Temperature: Skin and nasopharyngeal probes per monitor.	
The equipment should be CE & US FDA Approved.	
Central Monitoring Station for multipara monitor	
System should have minimum 16 beds capability.	
Central station should have 17" color display.	
Should have drug dose and hemodynamic calculations.	
It should have possible to view information such as vital signs, alarm status, arrhythmia analysis, trended	
parameters, patient data etc for any selected bed from the central station.	
Should have separate computer keyboard and 4 channel thermal array recorder.	
should have default alarm limits and customizable parameter settings.	
Central station should have full bed review capability.	
Central station should be able to be configured as a bedside monitor if required.	
Should have 24 hours trends.	
Should have capability for HL7 interface. Should be capable of monitoring telemetry modules.	
All system should have CE & US FDA certifications.	
Should be supplied with a On-line suitable UPS	

Note: Price of MULTI PARAMETER MONITOR and CENTRAL MONITORING STATION	
should be quoted separately.	

Item No. 49
VIDEO COLPOSCOPE
· Qualify stereoscopic optics. Facilities assessment of the finest epithelial changes.
· Ergonomic design: For convenient and fast positioning and focusing of colposcope
· Compact size: To conveniently fit in all OPD rooms and allow it to be moved for other OPD rooms
· Straight and inclined Binocular tubes: for best viewing experience
· Objective lenses: with different focal lengths allow user to select the convenient working distance.
· Different magnification settings: allow user to study epithelium at high magnification and carry you treatment at low magnification.
· Swing in vessel delineation fitter: For improved visual activity.
· Optimum cold light illumination system: Help distinguishing small color differences in epithelium
Suitable for tuboplasty (with swivel Arm Stand) & other Micro Surgical Procedure.

Item No 50

Laparoscopic Cholecystomy Set

1	Straight forward telescope 0 deg., diameter 10mm, automatable, fiberopitic light transmission incorporated.	1
2	Straight forward telescope 30 deg., diameter 10mm, autoclavable, fiberopitic light transmission incorporated.	1
3	Trocar size 11mm/100 consisting of trocar only with pyramidal tip with insuffiation stop-cock.	4
4	TROCAR, SIZE 6mm with pyramidal tip with insuffiation stop-cock	4
5	Reducer 11/5mm.	2
6	I) Veres pneumoperitoneum needle with spring loded blunt stylet, length 12cm.	2
	II) Veres pneumoperitoneum needle with spring loaded blunt stylet, length 15cm.	2
7	Trocar size 11mm/10mm with blunt tip cannula with insuffiation stopcock	2
8	I) Dissecting and grasping forceps rotating with connection pin for unipolar coagulation, size 5 mm length 33 to 36cm.	2
	II) Forceps Insert, dissecting and grasping forceps heavy double action jaws size 5mm, length 33to 36mm	1
9	I) Grasping forceps 2x4 teeth, rotating with connector pin for unipolar coagulation. size 5mm, length 33 to 36cm, plastic handle with ratchet outer tube insulated forcep insert	1
	II)Forcep Insert, grasping forceps with teeth size-5mm length 33 to 36cm	1
10	I) Dissecting and grasping forceps, atraumatic, size 5mm, length 33 to 36cm.	2
	II) Forceps insert, dissecting and grasping forceps, atraumatic size 5mm length 33 to 36cm.	1
	III) Kelly dissecting and grasping forceps, size 5mm, length 33 to 36cm with connector pin forunipolar coagulation with insulated forcep insert	1

11	I) Bowel grasper, size 5mm, length 33 to 36cm, with connector pin for unipolar coagulation plastic handle with insulated forcep insert	1	
	II) forceps insert, bowel grasper, fenestrated, size 5mm, length 33 to 36cm	1	
12	I) METZENBAUM SCISSORS, rotating with connector pin for unipolar coagulation size 5mm, length 33 to 36cm, blades curved, without ratchet, outer tube insulated insert	2	
	II) Scissor insert, METZENBAUM scissors, size5mm, length 33 to 36cm. curvd blades	1	
13	I) Coagulation and dissecting Electrode, spatula-shaped, blunt with connector pin for unipolar coagulation size 5mm, WL 33 to 36cm	1	
	II) Coagulation and dissecting Electrode L-Shaped with connector pin for unipolar coagulation size 5mm, WL33 to 36 cm	1	
	III) Laparoscopic cautery leads 300 cm length monopolar high frequency cord wiyh 4 mm plug.	2	
14	Fan retractor, distendable, 5mm, length 33cm to 36cm	1	
15	Knot tier for extracorporeal knotting, size 5mm, WL 30cm	1	
16	Fibre optic light cable, heat resistant, 4.8 mm length 230cm to 300cm	1	
17	Claw forceps, rotating , size 10mm, WL 33 to 36 cm, 2x3 teeth, consisting of metal handle, with ratchet, outer tube insulated forcep insert	1	
18	BABCOCK grasping forceps size 5mm, length 33 to 36cm, with unipolar coagulation pin with ratchet outer tube,		
	I) Macro needle holder, ergonomic handle, with ratchet, right curved jaws, size 5mm, length 33cm	1	
	II) Macro needle holder, ergonomic handle, with ratchet, right curved jaws, size 5mm, length 33cm to 36cm	1	
19	Puncture needle, luer lock size 5 mm WL 33 to 36 cm, dia. 1.6mm.	1	
20	Clip applicator with insert, medium-large, 10mm with metal handle and metal outer tubes	1	
21	Trocar washers 10mm-& 5mm	50each	
22	Laproscopy biopsy forcep 5mm	1	
23	Electronic CO2 INSUFFLATOR, power supply, 100-240 VAC, 50/60 Hz, high pressure flow with CO2 filters. (sterile, incorporated or disposable pack of 10)	1	
24	Suction and irrigation : Laparoscopic suction cannula 5 mm with two way tap with 5 mm tubing-silicon	1	
25	I) Xenon lamp, 300watt, xenon 300 light source, power supply 100 to 240 VAC with vedio connecting cable with fiberoptic cord	1	
	II) 300 watt, Xenon light source bulb	1	
26	Camera :- Full High Definition three chips camera system	1	
	Power supply 100 to 240 VAC		
	The system should have USB post to capture still images in full HD resolution as well as vedio sequences in SD to a USB main storage device		
27	I) LCD monitor :- High definition monitor 24” to 26”	1	
	II) Laparoscopic set trolly	1	
	Source of supply : Imported or indigenous.		

Item No 51

TURP Set

1	**Cysto-urethroscope :**		

	*Forward telescope 0 degree, enlaeged view, diameter 4mm. Autoclavable.	1
	Fiberoptic light transmission incorporated, Autoclavable color code:Red.	
2	**Cystoscope-urethroscope sheath:**	
	*Cystoscope-unethroscope-Sheath 21Fr, with obturator	1
	and 2 LUER Lock connectors, color code: Yellow.	
3	**Optical Forceps**	
	*Ridged optical Biopsy forceps, Forward cut with double action jaws.	1
4	**Flexible instrument:**	
	*Forceps for removal of foreign bodies, 7fr, double action jaws, lenth 40 cm.	1
	*Ball coagulation electrodes, 7fr	1
5	**High frequency cords, unipolar:**	
	* Unipolar high frequency cord with 4mm plug for HF unit length 300mm.	1
6	**Optical Urethrotome:**	
	* Sheath 231 fr, for optical urethrotome with instrument channel.	1
	* Obturator for the above mentioned sheath.	1
	* Complementary sheath Half round to insert Baloon catheter.	1
	* Spare cord knife straight double stem.	1
7	**Rescctoscopes and associated accesssories:**	
	* Resectoscope working element (For single Stem loop) with 2 cutting loops. 2 coagulation electrodes, 2 cords. (protection tube)	1
	* Resectoscope sheath including connecting tube for in and outflow, 26Fr: Rotatable inner tube with ceramic insulation, for use with working elements for continuous irrigation.	1
	* Schmiedt examination insert tube and visua obturator	1
	* Ellick evacuator.	1
	* Toomey Syringe 100 cc.	10
8	**Mauermayer Stone Punch:**	
	* Working element	1
	* Sheath 22 Fr , with obturator.	1
9	**Light souree**	
	I)* Xenon 300 light soure, 300watt power supply 100 to 240 Vac Fibreoptic cord viedo connecting cable	1
	II) 300 Watt Xenon light source bulb	1
10	**Camera :-** Fully High Definition three chiops camera system power supply 100 to 240 VAC The system should have USB post to capture still images in full HD resolution as well as Vedio sequences in SD to a USB main storadge device	1
11	**LCD - Monitor**	
	LCD - Monitor- High definition monitor 24' to 26"	1
	Source of Supply:Imported or Indigenous	

Item No 52

LRD Bed/Table

1. Bed frame material of stainless steel, screw should be of screws should be of stainless steel
2. Converting of bed, chair, and table, and providing lithotomy position.
3. Should be able to accommodate the mother of approximately 130 kg.
4. Head support and foot support should be there with detachable attachment specially for resuscitation.
5. Trendlenburg's and anti trendelnburg's position should be provided.
6. Side guards on both the sides of stainless steel.

7. Lithotomy position and padded knee crutches should be there. 8. Adjustable height. 9.Electro hydraulic system with hand switch and foot switch. 10. Battery backup should be there. 11. C scraped deep cut should be there for perineum. 12. Both sided l/V stand of stainless steel. 13. Waste receptacle of stainless steel which could be pushed under the base. 14. I S O certified. 15. Should have retractable foot section made up of steel. 16. Back rest to provide head elevated position. 17. Hand grip on both the sides. 18. Length of about Approx.200cm. weidth of about Approx.80-90cm (Accessories / screws should not be included in the length and width of table) 19. Castors should be there with central locking system and steering facility for easy patient transfer. 20. Mattress of suitable sizes waterproof with 3” to 4” thickness.

Item No 53 **Examination Table** Stainless steel frame work, screws should be of stainless steel and screws / accessories should no included in the length and width of the table Length (approximation):180 to 190cm Width (approximation):50 to 55cm Adjustable height with foot control hydraulic system Should accommodate patients of 125 to 130 kg(approx) Patients should be able to lie down in lithotomy and spine portion and elevated head end portion for head end elevation back rest is there for lithotomy padded knee crutches should be there Waste receptable of stainless steel which can be pushed down the base deep C shape cut should be there. Trend lenberg’s and anti trend lenberg;s portion Side rails of stainless steel detachable option based Mattress of about 2” to 3” thick waterproof suitable size ISO certified

Item No. - 54	
Bi-Planner C-Arm Image Intensifier	
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 imaging 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 Monitor 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 viny 1 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 vacuum tic itmes, II and all accessories.	
CMC for complete system including x-ray tubes, all vacuum tic 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. - 55
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 auto cleavable 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 = 05no.
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.

Item No. -56
Multipara Bedside 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, EEG, and BIS and prices to be offered as optional
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 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.
On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.
Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.
Position of the displayed waveforms must be user configurable.
Waveform color changing should be user configurable.
Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.
All modules should be compatible with all monitors quoted.
Bed to bed communication between the monitors should be possible with out a central station.
Networking to central station should be possible and price of central station should be offered as optional
Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.
Should be compatible with HIS and should be HL7 compliant.
Monitor should provide remote viewing of real time waveforms through internet.
Patient monitoring network shall be able to support up to 1,000 monitoring nodes.
Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.
Accessories and spares
1. ECG / respiration: 5 lead ECG cable and lead wire set per monitor
2. NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor
3. SPo2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor
4. IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor

5. Temperature: Skin and nasopharyngeal probes per monitor.
The equipment should be CE & US FDA Approved.

Item No. 57
Emergency Resuscitation Kit
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. – 58
Fetal Monitor
Cardiotocograph machine with twin monitoring capability should meet the following specification and capabilities: · FHR twin monitoring using external ultrasound · Direct ECG and maternal ECG measurements. · Uterine activity using an external toco transducer or IUP catheter. · Fetal movement profile parameter to record accurately the fetal movements using the ultrasound channel without additional procedures or transducers and statistics for advance information on fetal well-being. · Low ultrasound energy to the fetus. · Audible alert indication of fetal bradycardia and tachycardia · Audible indications of paper out and NST time complete. · Should have a feature to provide more accurate and continuous fetal heart rate (FHR) thereby reducing the need for repositioning the ultrasound transducer. · Should have the facility of cross channel verification when two channels are picking up the same signal. · Should have signal quality indicators guiding to obtain the strongest and most continuous ultrasound HR signal. · Built-in multi channel high resolution thermal array recorder with visual and audible paper end detection and should annotate time of day, date and paper. Should be supplied with the following accessories: · Mobile cart with two drawers and integrated mounting rail. · 2 x ultrasound transducers · 1 x external toco transducer · 1 x ECG module with degl & MECG adapter cable · 20 x 250 g bottle of gel. · 100 numbers of disposable signal spiral fetal scalp electrodes, quick connect type · 80 packs of recording paper. (to be supplied as per the usage; i.e. in a manner that they should not get faded without being used.)

Item No. 59
Mortuary Chamber
1. 4 body chamber
2. Should have interior and exterior finish: 0.5mm SS steel, Should have corrosion free exterior and interior finish, preferably 304 Grade of steel.
3. Should have vapour proof incandescent lamp.
4. Should have electronic temperature indicator cum controller, should be with Audiovisual Alarm.
5. Should be hygienic.
6. Should be easy to maintain.
7. Should be compact and neat.
8. Should have flexibility of shifting.
9. Should have simplified cadaver handling.
10. Can be housed at any convenient location.
11. Width: 2000(mm) approx.
12. Depth: 2400(mm) approx.

13. Height: 1800(mm) approx.
14. Insulation thickness: 80(mm) approx.
15. Insulation material: Rigid polyurethane foam (CFC free), Should be environment friendly, CFC free cooling.
16. Density: 40Kg/m3
17. One piece stainless steel tray with tubular edge and handles, special loading trolley corrosion free S.S Steel.
18. 230V, 50Hz, Single Phase, 10Kva
19. Specify power consumption.
20. Suitable voltage stabilizer to be supplied (specify make, model and capacity)
21. Room size: 4M(W)x6M(D)x3M(H)
22. Necessary civil works to be included.
23. Compression in the equipments should be ISI Marked/ of international standard.
24. Temperature Range: 2deg C to 17deg C.

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 (wherever applicable) 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.

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 in good condition:

1) Contract No. & date :_____

2) Supplier's Name :_____

3) Consignee's Name & Address with telephone No. & Fax No. : _____

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

7) Name and designation of Authorized Representative of Consignee :_____

8) Signature of Authorized Representative of Consignee with date :_____

9) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____ Date_____

To
M/s_____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity:_____

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

(f) Name of the vessel/ Transporter: _____
(g) Name of the Consignee: _____
(h) Date of commissioning and proving test: _____

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

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

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

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

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

Signature
Name:
Designation with stamp

Explanatory notes for filling up the certificate:

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

SECTION – XIX

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

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

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

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

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

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

3. SHIPMENT 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 satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
17.	Have you submitted copy of the order(s) against the above end user certificate (s)?			
18.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

N.B.

1. All pages of the Tender should be page numbered and indexed.
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
3. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

(Signature with date)

(Full name, designation & address of the person duly authorised sign on behalf of the Tenderer)
For and on behalf of

(Name, address and stamp of the tendering firm)

Section – XXI

Consignee addresses

Consignee Code	Consignee Address	Telephone No.
Noida	Directorate Medical Noida, ESIC Model Hospital Sector 24,Noida-UP	-
Jammu	ESIC Model Hospital, Bari Brahmana, Jammu	(01923)- 221105, 220302
Baddi	Medical Superintendent, ESIC Hospital Baddi , Himachal Pradesh	
Bhiwadi	Medical Superintendent, ESIC Hospital, Bhiwadi, Rajesthan.	
Manesar	Medical Superintendent, ESIC Model Hospital Manesar, Haryana.	
Basai	Medical Superintendent, ESI Hospital Ring Road, Basaidarapur, New Delhi – 110 015	011-25100664
Ludhiana	Medical Superintendent, ESIC Hospital , Ludhiana, Punjab	
Jhilmil	I.G.E.S.I HOSPITAL, Jhilmil, Delhi-110095	011-22151329

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