TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENT

FOR AND ON BEHALF OF

EMPLOYEE STATE INSURANCE CORPORATION

UNDER THE ADMINISTRATIVE CONTROL OF
MINISTRY OF LABOUR AND EMPLOYMENT
GOVT. OF INDIA

HLL/PCD/ESIC-59/11-12

BY

HLL Lifecare Limited

(A GOVT. OF INDIA ENTERPRISE & Formerly HINDUSTAN LATEX LTD.)
Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307, Uttar Pradesh, India
Ph: 0120-4071500; Fax: 0120-4071513
URL: www.lifecarehll.com
Email: pcd@lifecarehll.com

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SECTION I

NOTICE INVITING TENDERS (NIT)

1. Tender Enquiry No. HLL/PCD/ESIC-59/11-12 Date: 15.07.2011

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

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
1	Biphasic Defibrilator	2	20,000
2	Cold Pack Unit	1	6,200
3	Colour Doppler Digital	1	30,000
4	Hot Pack Unit	1	6,200
5	Neonatal Monitor	1	8,000
6	O T Tables for Orthopaedics	1	1,02,000
7	Orthopaedic Surgery Instrument Set	1	1,42,000
8	Portable Spirometer	1	24,000
9	Portable Ventilator	2	20,000
10	Biosafety Cabinet Level II	2	40,000
11	Multiple Vitalsign Monitor	7	70,000
12	Nerve & Muscle Stimulator	1	10,000
13	Oxytocin Infusion Pump	2	2,800
14	Resuscitation kit with trolley	3	4,200
15	Vaginal Hysterectomy Set	2	24,000
16	Volumetric Infusion Pump	3	5,400
17	A Scan	1	8,000
18	Surgical Operating Microscope for Ophthalmology	1	50,000
19	Anesthesia Ventilator for OT	1	24,000
20	Transport Ventilator For Ambulance	1	10,000
21	Ultrasound machine	1	20,000
22	Vaccum Thermo Forming Unit (Vacupress)	2	16,000
23	Biosafety Hood	1	1,600

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
24	Phototherapy CFL double surface	5	37,500
25	Black & White Ultrasound machine	1	12,000
26	Blood Bank Refregirator	2	12,000
27	Blood Collection Monitor	1	5,000
28	Blood Gas Analyzer	4	56,000
29	Blood transportation box	1	2,000
30	Deep Freezer -40 Deg	1	4,000
31	Digital Mamography System	1	1,80,000
32	Electro Cautery Bipolar Surgical Diathermy	3	18,000
33	Laboratory Refrigerator	1	4,000
34	Portable tube sealer	1	5,000
35	Quality Mixer	1	2,000
36	Stress Test System (TMT)	1	24,000
37	Abdominal Hysterectomy	2	3,560
38	Aerterial Blood Gas Analzer	1	14,700
39	Battery Operated Drill and saw system	1	44,000
40	Biphasic Defibrillator	3	30,000
41	Jet Ventilator	1	11,000
42	LSCS Sets	2	2,280
43	Minor Surgery Instrument Set	1	5,020
44	Multipara monitor with (Central Monitoring Station)	5 (1)	43,000
45	Nebulizer and Humidifier	5	9,400
46	OT Table for minor OT	1	4,500
47	Portable X-Ray machine with lead apron	1	4,340
48	Radiovisiograph	1	6,000
49	Respirator Ventilator Critical	2	52,000
50	Tourniquet (Automatic)	2	30,000
51	Ultrasonic cutting and coagulation instrument (Harmonic Knife)	1	44,000
52	Ultrasound scanner with colour doppler	1	56,000
53	Vaccum extractor	1	9,000

Sl. No.	Short Description of Item	Total Qty.	EMD (Rs.)
54	Vaginal Hysterectomy sets	2	2,800
55	Examination lamp Wall mounted 50000 Lux	5	100,000
56	Grossing Table with Airdown Draft Systems	1	8,000
57	Medical Waste Sterilizer	1	10,000
58	Thermal Endometrial Ablation Unit	1	5,000
59	Airabrasion System	1	12,000
60	Apex Locator	1	4,000
61	Automatic developer	1	5,000
62	Bleaching Unit	1	60,000
63	Bone cutting machine	1	4,000
64	Extra oral tracer	1	2,000
65	Orthodontic pliers	5	60,000

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

Sl No.	**Description**	**Schedule**
i.	Dates of sale of tender enquiry documents	18.07.2011 to 19.08.2011, in all working days, during 10:00am to 4:00pm
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited Procurement & Consultancy Services Divn. B-14A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3,000.00/ USD 75.00
iv.	Time and date of Pre-bid meeting	27.07.2011 at 2.00pm. (IST)
v.	Closing date & time for receipt of Tender	20.08.2011 at 2.00pm. (IST)
vi.	Time and date of opening of Techno-Commercial tenders	20.08.2011 at 2.30pm. (IST)
vii.	Venue for Pre-bid Meeting & Techno- Commercial Tender Opening	Same as given in 2 (ii)

3. Interested tenderers may obtain further information about this tender from the office of Head (P&CD), HLL Lifecare Ltd., Noida. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs. 3,000.00/ USD 75.00 per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of **"HLL Lifecare Limited"** payable at New Delhi**.**

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

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

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

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

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

9. The Tender Enquiry Documents are not transferable.

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

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

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

2. Introduction

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

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

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

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

3. Deleted

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

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

8. Content of Tender Enquiry Documents

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

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

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

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

9. Deleted

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

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

B) Price Tender:

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

N.B.

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

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

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

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

12. Tender currencies

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

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

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

13 Tender Prices

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

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

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

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

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

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

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

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

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

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

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

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

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

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

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

13.5.5 Customs Duty:

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

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

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

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

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

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

14. Indian Agent

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

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

15. Firm Price

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

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

16. Deleted

17 Documents Establishing Tenderer's Eligibility and Qualifications

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

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

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

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

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

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

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

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

19. Earnest Money Deposit (EMD)

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

19.2 Deleted

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

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

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

19.5 Deleted.

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

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

20. Tender Validity

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

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

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

21. Signing and Sealing of Tender

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

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

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

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

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

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

D. SUBMISSION OF TENDERS

22. Submission of Tenders

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

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Preliminary Scrutiny of Tenders

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

27.2 Deleted.

27.3 Deleted

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

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

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

28. Deleted

29 Discrepancies in Prices

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Deleted

34. Comparison of Tenders

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

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

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

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

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

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

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)

TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

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

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

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

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

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

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

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

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

8. Inspection, Testing and Quality Control

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

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

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

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

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

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

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

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

9. Terms of Delivery

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

10. Transportation of Goods

Instructions for transportation of imported goods offered from abroad:

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

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

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

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

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

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

11. Insurance:

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

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

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

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

12. Spare parts

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

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

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

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

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

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

13. Incidental services

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

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

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

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

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

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

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

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

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

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

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

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

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

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

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

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

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

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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

b) On Acceptance:

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

B) Payment for Imported Goods:

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

a) On delivery:

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

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

b) On Acceptance:

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

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

d) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

22. Delay in the supplier's performance

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

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

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

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

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

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

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

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

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

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

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

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

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

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

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

31. Applicable Law

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

32. General/ Miscellaneous Clauses

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

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

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

For GCC Clause No. 15.8:

After completion of Warranty period Annual Comprehensive Maintenance Contract (CMC) to be quoted as mentioned in General Technical specifications Section VII (Para-4) for all the items except for Item Sl. Nos. 7, 15, 37, 42, 43 & 54.

SECTION - VI

LIST OF REQUIREMENTS

Part I:

Sl. No	Short Description of Item	Consignee wise required qty.											Total Qty.
		Adityapur	Basai	Bhiwadi	Chandigarh	Gurgaon	Jaipur	Joka	Ludhiana	Manesar	Noida	Rohini	
1	Biphasic Defibrilator	2											2
2	Cold Pack Unit	1											1
3	Colour Doppler Digital	1											1
4	Hot Pack Unit	1											1
5	Neonatal Monitor	1											1
6	O T Tables for Orthopaedics	1											1
7	Orthopaedic Surgery Instrument Set	1											1
8	Portable Spirometer	1											1
9	Portable Ventilator	1						1					2
10	Biosafety Cabinet Level II		2										2
11	Multiple Vitalsign Monitor		7										7
12	Nerve & Muscle Stimulator		1										1
13	Oxytocin Infusion Pump		2										2
14	Resuscitation kit with trolley		3										3
15	Vaginal Hysterectomy Set		2										2
16	Volumetric Infusion Pump		3										3
17	A Scan			1									1
18	Surgical Operating Microscope for Ophthalmology			1									1
19	Anesthesia Ventilator for OT				1								1
20	Transport Ventilator For Ambulance				1								1
21	Ultrasound machine				1								1
22	Vaccum Thermo Forming Unit (Vacupress)											2	2
23	Biosafety Hood					1							1

Sl. No	Short Description of Item	Consignee wise required qty.											Total Qty.
		Adityapur	Basai	Bhiwadi	Chandigarh	Gurgaon	Jaipur	Joka	Ludhiana	Manesar	Noida	Rohini	
24	Phototherapy CFL double surface					5							5
25	Black & White Ultrasound machine						1						1
26	Blood Bank Refregirator							2					2
27	Blood Collection Monitor							1					1
28	Blood Gas Analyzer							4					4
29	Blood transportation box							1					1
30	Deep Freezer -40 Deg							1					1
31	Digital Mamography System							1					1
32	Electro Cautery Bipolar Surgical Diathermy							3					3
33	Laboratory Refrigerator							1					1
34	Portable tube sealer							1					1
35	Quality Mixer							1					1
36	Stress Test System (TMT)							1					1
37	Abdominal Hysterectomy								2				2
38	Aerterial Blood Gas Analzer								1				1
39	Battery Operated Drill and saw system								1				1
40	Biphasic Defibrillator								3				3
41	Jet Ventilator								1				1
42	LSCS Sets								2				2
43	Minor Surgery Instrument Set								1				1
44	Multipara monitor with (Central Monitoring Station)								5 (1)				5 (1)
45	Nebulizer and Humidifier								5				5
46	OT Table for minor OT								1				1
47	Portable X-Ray machine with lead apron								1				1
48	Radiovisiograph								1				1
49	Respirator Ventilator Critical								2				2

Sl. No	Short Description of Item	Consignee wise required qty.											Total Qty.
		Adityapur	Basai	Bhiwadi	Chandigarh	Gurgaon	Jaipur	Joka	Ludhiana	Manesar	Noida	Rohini	
50	Tourniquet (Automatic)								2				2
51	Ultrasonic cutting and coagulation instrument (Harmonic Knife)								1				1
52	Ultrasound scanner with colour doppler								1				1
53	Vaccum extractor								1				1
54	Vaginal Hysterectomy sets								2				2
55	Examination lamp Wall mounted 50000 Lux									5			5
56	Grossing Table with Airdown Draft Systems										1		1
57	Medical Waste Sterilizer										1		1
58	Thermal Endometrial Ablation Unit										1		1
59	Airabrasion System											1	1
60	Apex Locator											1	1
61	Automatic developer											1	1
62	Bleaching Unit											1	1
63	Bone cutting machine											1	1
64	Extra oral tracer											1	1
65	Orthodontic pliers											5	5

Part II: Required Delivery Schedule:

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

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

Part III: Scope of Incidental Services:

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

install and commission the equipment will attract the provisions as contained in the liquidated damage clause.

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

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

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

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

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

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

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

Part VII:

Inspection:

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

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

Section – VII

Technical Specifications

Item No 1
BIPHASIC DEFIBRILATOR

• Biphasic
• Waveform display (min 3)
• External energy selection from 2 J to 200 J, biphasic
• Charging time less than 8 seconds @ 200 J (with a charged battery)
• Synchronizer and cardio version
• Unique disarm button (in addition to automatic time delay)
• Should come with high resolution monitor.
• Should come with 3 lead ECG that can be measured from cables, adult external paddles, paediatric paddles.
• Heart rate: 20 to 300 bpm with user selectable alarms.
• Should come with external pacing, demand and asynchronous modes
• Should display CPR in real time
• Should have large internal memory that stores and prints 25 ECG events.
• Battery to last not less than 2 hours of continuous ECG monitoring or 30 full energy discharges.
• Battery indicator on display and self test on battery

Accessories needed

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

Item No 2
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 approx 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 3
COLOR DOPPLER ULTRASOUND UNIT

The system should be state of the art with full digital beam former technology and should be for whole body application which would include Cardiac, Obs/Gyn, abdominal, peripheral vascular. Small parts Imaging such as Ophthalmic Imaging, Thyroid, Intracavity application, etc.

Essential features :

·The system should have 256 Grayscale or more.

·The system should have a dynamic range of 150dB or more.

·System should have advanced image processing algorithms to reduce the speckle and artifacts for improved image quality.

·Should have Integrated Flat Panel Display with min. 17" screen size with tilt and swivel facility

General requirements :

1.The system should incorporate facility for high facility for high resolution 2D,M mode, PW, color flow imaging, power Doppler angio imaging modes.

2.All transducers should be multi frequency broad band technology for High resolution 2D and Colour Doppler imaging.

3.Zoom should be both read and write type up to 30 times

4.Imaging Depth should be atleast 32 cms or more.

5.Presets : Minimum 50

6.The system should have harmonic imaging for tissues for hard to image patients, All transducer should have Tissue Harmonic Imaging as standard

7.The system should have a full alphanumeric keyboard with illuminated keys and status display.

8.System should have cine loop review facility in individual and mixed modes with memory upto minimum 300 images and 10 seconds of Doppler / M Mode Cine

9.Should have facility of Thumbnail Menu, Support thumbnail images and digital storage and retrieval of B/W & color image data (both frozen and cine loop) on built-in and removable media (Min. 40GHz HDD, DVD, CD-R/W

10.The system should have automatic real time quantification of Doppler parameters like velocity, frequency, time heart rate slope, flow volume, pulsatility index,peak velocity, average value, point value, area and diameter flow volume etc.

11.Directional Power Doppler angio imaging for perfusion studies should be available for visualization of flow in small vessels.

12.The system should have extensive calculation software package for generic measurement, cardiac, Ob/Gyn, vascular etc.

13.Should have direct connectivity to inkjet colour printer for printing images and report.

14.Equipment with above features to be offered with the following broad bandwidth probes

a.Broad band convex array transducer with frequency range 2-5MHz

b.Broad band linear array probe with frequency range between 2-4 MHz

c.Broad band phased array probe with frequency range between 2-4 MHz

d.Broad band TV/TR Probe with frequency Range between 5-8 MHz, (Quote optionally)

15. The system should have the following documentation devices and accessories:

a.B&W Thermal Printing, Color Inkjet Printer and suitable UPS to be provided

Item No 4
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 5
NEONATAL MONITOR

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

Monitor should have 17” independent flat panel display.

Touch screen user interface .

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

Should be capable of 8 traces display.

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

Should be compatible with Capnography, Cardiac output, 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 6
O T TABLES FOR ORTHOPAEDICS

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

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

Should have the following features:

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

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

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

- 2 traction bars beneath the seat plate with 2 separately adjustable pivot joints each for extension of the extremities with unimpeded use of the image intensifier.
- Guide rails beneath the seat plate allowing X-ray cassette insertion from either the right- or the left-hand side for the hip area.
- Detachable pads made of special foam core, 80 mm thick, radio translucent and electrically conductive on plastic supporting plates.

Should meet the following Electrical standards:

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

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

Should meet following Technical data:

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

Permissible load approx : 180kg

Should have following Electro hydraulic adjustments:

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

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

Should supply the following with Basic table:

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

Should supply the following with Extension accessories:

<u>FEMUR NAILING IN SUPINE POSITION:</u>

a) Counter traction post for femur: 1 No.

<u>FOR TIBIA & FIBULA NAILING</u>

a) Counter traction post for tibia : 1 No.

b) Guide bar : 1 No.

c) Condoyle fixation : 1 No.

<u>FOR TOTAL HIP END PROSTHESIS</u>

a) Fixtures for body support : 2 Nos.

b) Back- buttock support with pad : 1 No

c) Lateral support with pad : 1 No.

<u>KNEE REPLACEMENTS</u>

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

<u>SPINE IN KNEE ELBOW POSITION</u>

a) Positioning device for spinal surgery, height adjustable and horizontal adjustment : 1 No.

b) Trolley : 1 No.

c) Sitting bracket with lateral supports : 1 No
d) Radial setting clamps : 2 Nos.

CERVICAL SPINE SURGERIES
a) Connection Fixture : 1 No
b) Horse shoe shaped head rest (two pc.) : 1 No.
c) Guiding roller for head side traction : 1 No.
INTRAMEDULLARY NAILING OF HUMERUS
a) Humerus positioning device : 1 No.
b) Countertraction post for humerous : 1 No
c) Weinberger hand traction device : 1 No.

OPERATIONS ON THE HAND.
a) Hand operating table : 1 No.
b) Radial setting clamp. : 1 No.

Item No 7
ORTHOPAEDIC SURGERY INSTRUMENT SET

Wire Instrument Set	1 Set
Sterilising Tray with lid	1
Spare Tray	1
Lower Tray	1
Drill Bit, 2.0mm	1
Triple Drill Guide 2.0 with 3 holes, opposite side 1 hole	1
Wire Passer, 45mm bending diameter	1
Wire Passer, 70mm bending diameter	1
Wire Tightener with handle and two pegs,	1
Holding Forceps for Cerclage Wires,	1
Wire Bending Pliers,	1
Parallel Pliers, flat nosed	1
Wire Cutter, large,	1
Wire Cutter, short,	1
Bending Iron, for Kirschner Wires	1
Medullary Reamer Set	1 Set
Flexible medullary reamer 6.0mm	1
Flexible medullary reamer 6.5mm	1
Flexible medullary reamer 7mm	1
Flexible medullary reamer 7.5mm	1
Flexible medullary reamer 8.0mm	1
Flexible medullary reamer 8.5mm	1
Flexible medullary reamer 9mm	1
Flexible medullary reamer 9.5mm	1
Flexible medullary reamer 10mm	1

Flexible medullary reamer 10.5mm	1
Flexible medullary reamer 11mm	1
Flexible medullary reamer 11.5mm	1
Flexible medullary reamer 12mm	1
Flexible medullary reamer 12.5mm	1
Flexible medullary reamer 13mm	1
Flexible medullary reamer 13.5mm	1
Flexible medullary reamer 14mm	1
Flexible medullary reamer 14.5mm	1
Flexible medullary reamer 15mm	1
Flexible medullary reamer 15.5mm	1
Flexible medullary reamer 16mm	1
Bone Forcep Set For Reduction	1 Set
Verbrugge forceps 240mm	2
Verbrugge forceps 260mm	2
Verbrugge forceps 280mm	2
Reduction forceps broad,130mm	2
Reduction forceps W point,205mm	2
Reduction forceps,serrated,170mm	2
Reduction forceps,serrated,240mm	2
Aluminium Case,Red	1
Tray (Lower/upper)	1
Tray (Lower/upper)	1
DYNAMIC SCREW/DCS HIP SCREW INSTRUMENT Set	1 Set
Sterilising Tray with lid	1
Upper Tray	1
Lower Tray	1
DHS/DCS Threaded Guide Wire, 2.5mm dia., L 230/5mm	10
DHS Angled Guide 135º	1
DHS Angled Guide 150º	1
DHS/DCS Direct Measuring Device	1
DHS/DCS Wrench for one-step insertion L 230mm	1
DHS/DCS T-Handle with quick coupling, L 80mm	1
DHS Triple Reamer	1
DHS/DCS Impactor for one-step insertion, L 260mm	1
DHS/DCS Tap, L 220mm	1
DHS/DCS Centering Sleeve, locking	1
Coupling Screw, cannulated	1
DCS Angled Guide	1
DCS Triple Reamer	1
Small Fragement Instrument Set 3.5mm	1 Set
Sterilising Tray with lid	1
Lower Tray for Instruments	1
Tray for Plates	1

Upper Tray	1
Drill Bit, 2.5mm dia., L 110/85mm for quick coupling	2
Drill Bit, 3.5mm dia., L 110/85mm, for quick coupling	2
Countersink Shaft 3.5, L 72mm	1
Tap for 3.5mm Cortex Screws L 50/110mm	1
Tap for 4.0mm Cancellous Bone Screws L 110mm	2
T-Handle with quick coupling, L 80mm	1
Double Drill Sleeve 3.5/2.5	1
Insert Drill Sleeve 3.5/2.5, L 42mm Drill Bit 2.5mm dia.	1
Screwdriver, hexagonal, small, with Holding Sleeve	1
Screwdriver Shaft, hexagonal, small, L 100mm, for quick coupling	1
Screwdriver, hexagonal, small, with groove, L 200mm	1
Holding Sleeve,	1
Depth Gauge for 2.7mm to 4.0mm Screws	1
Sharp Hook, L 155mm	1
Holding Clip 4.5 - 7.0mm	2
Screw Forceps, self-retaining, L 85mm	1
DCP® Drill Sleeve 3.5 for neutral and load position	1
Bending Iron, slit widths 4.5/2.5mm, L 150mm, for Plates 2.7 and 3.5	1
Bending Iron, slit widths 2.5/4.5mm, L 150mm, for Plates 2.7 and 3.5	1
Bending Pliers for Plates 2.4 to 4.0, L 230mm	1
Bending Template for DCP® 3.5 and LC-DCP 3.5, L 87mm	1
Bending Template for DCP® 3.5 and LC-DCP 3.5, L 114mm	1
Wire Bending Pliers, L 155mm	1
Bending Iron, for Kirschner Wires 1.25 to 2.5mm dia., L 120mm	1
Reduction Forceps with points, L 130mm	1
Reduction Forceps with points, wide, ratchet lock, L 132mm	1
Reduction Forceps, toothed, ratchet lock, L 140mm	1
Bone Holding Forceps, self- centering, speed lock, L 190mm	1
Retractor, small, 8mm wide, short narrow tip, L 160mm	2
Periosteal Elevator, round edge, 6mm wide, L 200mm	1
Retractor, 15mm wide, L 160mm	2
Basic Instrument Set Large Fragment 4.5mm	1 Set
Sterilising Tray with lid	1
Upper Tray for Instruments	1
Spare Tray, without contents,	1
Lower Tray	1
Drill Bit, 3.2mm dia., L 145/120mm for quick coupling	3
Drill Bit, 4.5mm dia., L 147/120mm for quick coupling	2
T-Handle with quick coupling, L 80mm	1
Tap for 4.5mm Cortex Screws, L 70/125mm	2
Tap for 6.5mm Cancellous Bone Screws L 195mm	1
Double Drill Sleeve 4.5/3.2	1
Insert Drill Sleeve 4.5/3.2, L 80mm	1
Double Drill Sleeve 6.5/3.2	1

Screwdriver Shaft, hexagonal,	1
Screwdriver, hexagonal, large,	1
Holding Sleeve, large, L 120mm	1
Depth Gauge for 4.5 to 6.5mm Screws	1
Sharp Hook, L 155mm	1
Tension Device, articulated	1
Combination Wrench,	1
DCP® Drill Sleeve 4.5	1
LC-DCP Drill Sleeve 4.5	1
Universal Drill Sleeve 4.5	1
Bending Template for DCP® 4.5 and LC-DCP 4.5, L 210mm	1
Bending Template for DCP® 4.5 and LC-DCP 4.5, L 120mm	1
Bending Template for DCP® 4.5 and LC-DCP 4.5, L 155mm	1
Basic Intramedullary Nailing Insts set for Femur & Tibia	1 Set
Universal Socket Wrench	1
Hex Driver for 4.5/5.0 mm screw,6,4mm,5.0mm can screw,measuring guage for nails	1
Medullary Exchange tube	1
internal fracture Alignement Device	1
Depth Guage	1
Cannulated Drill Bit,150mm,3.5mm,4.0mm,4.8mm	1
Drill Bit,150mm,2.7,3.5mm,4.0mm,4.8mm	1
Twist Bit,305mm,3.5mm,4.0mm,4.8mm	1
Trocar 4.0X240mm	1
Krischner-wire with thread 3.2X 305mm	1
Guide Wire for cannulated screw 1.8X350mm	1
cannulated wire for ILN 2.4x900mm,3.0x900,Guide Wirw for reamer 2.0x900,Guide wire with curved Tip 3.0X900mm,2.4X900mm	1
Open End Wrench SW 17/	1
Measuring Gauge	1
Measuring Gauge for nails	1
Supine Driver	1
Handle with jacobs chuck	1
Tibial Proximal Device	1
Skin Protector	1
Curved Awl	1
Trocar 3.2mm,4.0mm,4.8mm,8.0mm	1
Tapered Reamer,Cannulated 13.5,15.5mm	1
Cannulated Reamer 9.0mm	1
Drill Sleeve 2.1mm,3.5mm,4.0mm,4.8mm,8.0mm	1
Slide Hammer	1
Tibial Extractor Bolt	1
Guide Rod For Cannulated Screws 1.8X350	1
Universal Proximal Device for Femural Nails	1

Nail Adapter Bolt	1
Length Guage	1
Twist Drill Cannulated 305mm,4.0mm,4.8mm	1
Reamer	1
General Instrument Set	1 Set
Sterilising Tray with lid	1
Spare Tray,	1
Lower Tray	1
Bone Hook, sharp, small, L 230mm	1
Bone Hook, sharp, medium, L 230mm	1
Retractor, 8mm wide, short narrow tip, L 220mm	2
Retractor, 18mm wide, short narrow tip, L 235mm	2
Retractor, 24mm wide, long and wide tip, L 270mm	1
Periosteal Elevator, curved shaft, 14mm wide, L 200mm	1
Periosteal Elevator, round edge, 6mm wide, L 200mm	1
Periosteal Elevator, straight shaft, 14mm wide, L 200mm	1
Hammer 500g, L 230mm	1
Chisel Handle, L 185mm	1
Chisel Blade, 10mm wide, thickness 0.9mm, L 81mm	1
Chisel Blade, 16mm wide, thickness 0.9mm, L 81mm	1
Chisel Blade, 25mm wide, thickness 0.9mm, L 81mm	1
Gouge, curved, for cancellous bone graft harvest., 10mm wide, L 250mm	1
Damaged screw,Broken Nail Removal Instrument set	1 Set
Aluminium Case, white, small, perforated, without contents	1
Tray, subdivided	1
Tray for Instruments, without contents	1
Hollow Reamer for 3.5/4.0mm Screws	1
Spare Reamer Tube	1
Extraction Bolt for 3.5/4.0mm Screws	1
Extraction Screw, conical, for 2.7mm, 3.5mm and 4.0mm Screws	1
Hollow Reamer for 4.5mm Screws	1
Spare Reamer Tube	1
Extraction Bolt for 4.5mm Screws	1
Extraction Screw, conical, for 4.5/6.5mm Screws	1
Hollow Reamer for 5.0/6.0/6.5/7.0mm Screws	1
Spare Reamer Tube	1
Extraction Bolt, for 5.0/6.0/6.5/7.0mm Screws	1
Aluminium Plate, anodized	1
Sharp Hook, L 155mm	1
Forceps for Screw Removal, L 205mm	1
Gouge, 10mm wide, L 205mm	1
Extract-Hook f/Nails ø9-11	1
Extract-Hook f/Nails ø11+larger	1
Extract-Hook long f/Nails ø11-14	1

Extract-Hook L480 f/Nails ø9	1
Connector f/Extract-Hook	1
T handle	1
T-Handle with quick coupling, L 80mm	1
Locking Compression Instrument set Large& Small	1 Set
Torque Screw Driver 3.5mm	1
Torque Screw Driver 5.0mm	1
Drill with Quick Coupling 2.5x150/30mm	2
Drill with Quick Coupling 2.7x200/40mm	2
Drill with Quick Coupling 3.2x150/30mm	2
Drill with Quick Coupling 4.1x200/30mm	2
Conical Screw Extractor 2.5mm	1
Conical Screw Extractor 3.5mm	1
Screw Driver Shaft 2.5mm Hex	2
Screw Driver Shaft 3.5mm Hex	2
Holding Sleever 3.5mm/ 4.0mm	1
Drill Sleever 2.8/3.5mm	2
Quick Coupling Handle	1
Universal Drill Guide 3.5mm	1
Drill Guide Handle	1
Drill Bit 4.5mm / 145mm Quick Coupling	2
Drill With Quick Coupling 4.3x 195mm	2
Screw Driver Shaft 2.5mm Hex 100mm	1
Screw Driver Shaft 3.5mm Hex 100mm	1
Drill Sleever 2.5mm - load	2
Drill Sleever 4.1mm - load	2
Drill Sleever 2.5mm with Compression	2
Drill Sleever 4.1mm with Compression	2
Universal Drill Guide 4.5mm/3.2mm	1
Locking Screw Drill Sleever 3.5mm	1
Locking Screw Drill Sleever 5.0mm	1
Tap with Quick Coupling 3.5	2
Tap with Quick Coupling 4.5	2
Locking Screw Tap with Quick Coupling 3.5mm	2
Locking Screw Tap with Quick Coupling 5.0mm	2
Hexagonal Screw Driver 2.5mm	1
Hexagonal Screw Driver 3.5mm	1
Countersink with Quick Coupling 3.5mm	1
Countersink with Quick Coupling 4.5mm	1
Depth Gauge 3.5mm	1
Depth Gauge 4.5mm/6.5mm	1
Bending Iron	2
Quick Coupling for Jacob Chuck	1
Tap / Drill Sleeve 2.5mm	1
Tap / Drill Sleeve 3.5mm	1

Tap / Drill Sleeve 4.5mm	1
Tap / Drill Sleeve 6.5mm	1
Fusion Lock Set - Case Large Fragment Instruments	1
Cannulated Screws Instruments set 4.5mm	1 Set
Sterilising Tray with lid	1
Threaded Guide Wire, 1.6mm	10
Drill Bit, 1.5mm dia.	1
Drill Bit, 3.2	2
Countersink Shaft, cannulated,	1
T-Handle with quick coupling,	1
Tap, cannulated, for 4.5mm Cannulated Screws	1
Double Drill Sleeve 4.5/3.2	1
Parallel Wire Guide,	1
Trocar 1.6mm dia.	1
Screwdriver, hexagonal, large,	1
Drill Sleeve	1
Protection Sleeve	1
Screwdriver Shaft, hexagonal, large	1
Screwdriver, hexagonal, cannulated	1
Holding Sleeve	1
Measuring Device,	1
Stylet, 1.6mm	1
Holding Clip 4.5 - 7.0mm for screw	1
Cannulated Screws Instrument Set 3.5 mm	1 Set
Vario Case for instrumrnts	1
Lid Stainless Steel size½ f/VC	1
Hold-Sleeve f/ 314.070 314.290 314.550+3	1
DoubleDrillGuide 3.5/2.5	1
ScrDriverShaft-hex-small ø2.5	1
Tap-cannul f/Cannul-Scr ø3.5+4	1
Drill Bit ø3.5/1.35 cannul L160/130 4flu	1
Drill Bit ø2.7/1.35 cannul L160/130 4flu	1
Handle w/Quick-Coupl L110	1
DoubleDrillGuide 2.7/1.25	1
Countersink cannulated f/Cannul-Scr ø3.5	1
ScrForceps self-hold L85	1
Sharp Hook L155	1
Direct Measur-Device f/Cannul-Scr ø3.5+4	1
Clean-Brush ø1.35 f/Cann-Instr	1
Hold-Clip f/Washers	1
GuideWire ø1.25 w/thread-tip w/trocar L1	1
ScrDriver-hex-cann f/Cannul-Scr ø3.5+4	1

Item No 8
PORTABLE SPIROMETER

• The unit should be small, portable, with a built in caring handle convenient for Ward rounds and on site patient screening.

• The unit should Menu driven and operate on 220V AC

• The unit should incorporate a Fleisch type pneumotach autoclavable sensor with no moving Parts.

• Should have built in storage up to many thousands of patients with their life time data for individual or batch printing.

• The unit should incorporate with large touch screen displays with easy to follow instructions, flow/volume & volume/time graph, post test, incentive display and an inbuilt printer.

• The unit should have facility to direct connectivity to PC and able to transfer the data from unit to PC and printout facility through external printer.

• The unit should perform single breath test, VC, and closed circuit spirometry.

• The unit should measure the following parameter : VC, FVC, FEV.5, FEV.5%, FEV1,FEV1/VC%, FEV1/FVC%, FEV/PEF, FEV3, PEF, FEF25-75, FEF25-75%, FEF25%, FEF50%, FEF75%, FMFT, FET, MVVind, FIVC, FIVC/FVC%, PIF, FIF 25%, FIF50%, TV,RV, IRV, ERV, IC, etc.

• The print out should be configurable with choice of curves, parameters printed, interpretations and test quality control message .

• The equipment warranty should be of one year.

• The unit should be compliant to all standard like ATS 94, ERS 94, CE, FDA, and EN60601.

Item No 9
PORTABLE VENTILATOR

The Ventilator should be portable.

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

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

It should also have CPAP and PSV available.

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

Peak Inspiratory Pressure - 5 to 55 mbar

Pressure Support – 5 to 55 mbar

Insp. Time – 0.3 to 2.4 secs

Breath Rate – 0-60 BPM

Insp. Sensitivity – 1 to 5

Exp. Sensitivity – 5 – 95%

Flow Pattern should be Square, descending and Sinusoidal

PEEP should be 0.5mbar to 20mbar

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

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

I / T should be 20% to 50%

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

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

The ventilator should have bright display with backlight

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

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

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

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

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

The ventilator should have Automatic atmospheric adjustment

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

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

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

The Machine should be operable with oxygen flow from B type oxygen cylinders as well as central oxygen supply.

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 10

BIOSAFETY CABINET,CLASS II BI(As per NSF guidelines)

The basic equipment shall consist of exhaust HEPA filter,' Supply HEPA filter,HEPA filter for supply air, negative pressure exhaust plenum, front opening sash with either counter weight of motorized movement, suitable blower assembly, necessary lighting, indicators and controls for the cabinet. The equipment should be mounted on a stand with leveling feet. The exhaust plenum should be under negative pressure, hard ducted to the outside.

HEPA FILTER: **Face dimensions**;4ft.(L) X 2ft.(W) X 6ft.

The HEPA filter should have rated efficiency of 99.97%(or better)at 0.3 microns to provide product protection of class 100 or exceeding Class 100 requirements of Federal Standards 209E Or equivalent ISO within the work area.

Face Velocity: 105 FPM

Light Intensity at work surface: 800 lux or more over the entire work surface.

Noise level: <70dba.

UV germicidal lamp intensity: >40 microwatts/sq.cm over the entire work surface.

Main body, side and rear panel: Electrogalvanized Steel or Mild Steel, oven baked epoxy powder coated finish.

Workable (surface):SS304 or SS 316.Individual switches and indicator lamps for blower motor,florescent lamp and UV lamp.

Differential pressure gauge: Scale display in cms of water

Electical: Electrical outlet socket (5 ampere rating)qty:2 nos.Should be fitted with earth leakage circuit breaker(ELCB)

Prejitter: one

The Biosaftey Cabinet comply with the following requirements at site:-

1. Down flow velocity and Volume Test.
2. Inflow Velocity Test.
3. Airflow Smoke Pattern Test.
4. HEPA filter Leakage Test.
5. Cabinet Leakage Test.
6. Electrical Leakage: Ground Circuit Resistance and Polarity Test.
7. Lighting Intensity Test.
8. Vibration Test.
9. Noise Level Test.
10. UV lamp Intensity Test.
11. Alarms and indicators test(if provided).
12. The differential pressure gauge should be calibrated.

Remarks:

Equipment quoted should comply with Indian Standards Institutions Guidelines or any other National or International Guidelines.

Item No 11
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 12
NERVE & MUSCLE STIMULATOR

1. Input: 210-240 AC 50Hz

2. Portable unit with Galvanic, Interrupted galvanic, Faradic and surge Faradic currents.

3. Voltmeter and Ammeter display of current intensity or digital display.

4. Graphic display of SD curve.

5. Memory to store at least 100 strength duration curves with patient data.

6. Interrupted galvanic with pulse duration of 0.01 millisecond to 3 second (0.01,0.03, 0.1, 0.3, 1,3,10,30,100, 300, 1000, 3000 mseconds)

7 Manual control for setting contraction and relaxation periods of surged faradic currents 1-30 surges/minute.

8. Carbon rubber electrodes of various sizes.

9. Pen/button electrode.

10. Timer with a buzzer to indicate the completion of treatment session.

Item No 13
OXYTOCIN INFUSION PUMP

1. Flow rate should be 0.1 to 450 ml / hour with 0.1 ml / hour increment.
2. It should have choice of micro and macro drops.
3. Volume limit should be more than 9900 ml.
4. It should use conventional tubing (4 mm), PVC any Indian make.
5. Immediate display of choice of programming after purge.
6. Must have function for immediate forward and reversed of screen parameters.
7. Programming – ml/hour, time x volume limit.
8. Must have display of flow rate observed from a distance of 10-12 feet.
9. Must have occlusion pressure from 0 to 120 KPA.
10. KVO 3 ml / hour or less.
11. Bolus rate more than 450 ml / hour.
12. Special function, titration, fluid balance.
13. Time limit one minute to 99 hours 59 minutes.
14. Should have prealarms ultrasonic sensor type.
15. Visual or sound alarms like endof battery, incorrect flow rate, door open, no drops, occlusion, programming error, running in KVO, Fluid balance etc.
16. Flow rate deviation with standard tubing should not be more than + or – 6% of the programme flow rate.
17. Battery rechargeable more than 5 hours of operations.

Should be able to work on 220 V.

Item No 14
RESUSCITATION KIT WITH TROLLEY

Should consist of self – inflating, Silicon resuscitator bags for adults, and paediatric 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 15
VAGINAL HYSTERECTOMY SET

	Demand	Size
1.Sponge Holder	4 x 2=8	650 x 8
2.Needl holder	4 x 2=8	750 x 8
3.Artery Forceps 8"	4 x 2=8	675 x 8
4.Artery Forceps 6 1/2 inch	10 x 2 = 20	405 x 20
5.Allis Forcep	10 x 2 = 20	750 x 20
6.Straight Hys. Clamp	5 x 2= 10	700 x 10
7.Curved Clamp	5 x 2= 10	700 x 10
8.Mosquitoes Forcep 5'	6 x 2 =12	375 x 12
9.Towel Clip	6 x 2 =12	375 x 12
10.Steel Basin	2 x 2 = 4	250 x 4
11.Valasulum	2 x 2 = 4	650 x 4
12.S.S. Bowl	3 x 2 = 6	100 x 6
13.Bladder Retracter	2 x 2 = 4	750 x 6
14.Steel Tray Big without cover 12" X 15"	2 x 2 = 4	1200 x 4

Item No 16
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 17
A SCAN

Technical Features:

·A-scan

·Three A scan Modes

·Auto biometric, Manual Biometric, Diagnostic

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

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

·10MHz solid probe

The unit should incurporate, audio feed back for probe alignment

Item No 18
SURGICAL OPERATING MICROSCOPE FOR OPHTHALMOLOGY

Eyepiece head

inclination 200°

wide angle oculars 10x magnification

PD adjustment via knob or by pushing

Front Lens f=200 mm

focal length 200 mm

apochromatic optics with correction of residual aberration

Microscope body

SMD technology

Stereo base 25 mm

zoom range 4,3 to 26

visual field diameter 8,5 - 51 mm

Incorporated Slit module for 2 horizontal Slits with each 25 mm travel

focus range ± 25 mm

XY range ± 30 mm (= 60 x 60 mm)

comfortable stepless inclination via gear knob ± 10°

New stepper motor technology; motorized focus, zoom (1:6) and XY movement

Filter- blue (405 nm), yellow (475 nm), orange (515 nm), green (525 nm)

Illumination angle main light 6°, red reflex enhancer +2°/-2° to –1°

Integrated "Zero Beam" red reflex enhancer with double function knob on/off and fine tuning –2° to –1 °

Illumination module with 2 integrated slits

Ergonomic handles with integrated function keys for *focus, zoom, brakes and XY movement*

Floor stand

Small round base (735 mm Diam.) with power supply for external instruments

Mobile on castors with lock in provisions

vibration damper

Arm extension, max. 1500 mm

weight balanced spring with free floating characteristics; balancing by push of a button

Automatic speed control (ASC)

Electro-magnetic brakes

Bi-directional computer interface RS 232 / 9 poles for software connection

Integrated connection socket for footswitch

control panel with display for software guided individual setting of motorized microscope functions (balancing, 12 user settings etc.)

Integrated self-test function and service program

Vertical lift 722 mm

Light source

Integrated in floor stand through fiber optic cable

Brightness control

1 Halogen lamp, min. 150 W/15 V

1 Halogen back-up lamp min. 150 W/15 V

Footswitch

12 functions: focus (upwards / downwards); zoom (larger / smaller); XY movement (left / right and forward / backward); camera (ON / OFF); light (on / off); brightness control waterproof

B. Configuration

Basic Structure

Stereo Operating microscope

with tiltable eyepiece head and apochromatic optics; microscope body on inclinable and tiltable suspension (manual coarse and fine setting); integrated motorized XY linear movement; motorized zoom system 1:6; motorized fine focussing ±25 mm; "zero beam 900" red reflex enhancer; stereo base 25 mm; two sets of sterile caps; dust cover

Floor stand

with mobile microscope; round base with lock-in provisions, weight balanced spring joint arm with rotatable carrier, length 1500 mm; magnetic brakes and free floating characteristics of spring arm patent pending); one button motorized fine-balancing; special arm-cover for integration of cables; integrated, adjustable 15 V-halogen illumination system, 150 W and switchable spare bulb; light fiber cable; user-friendly control panel for software guided individual setting of motorized functions; alpha-numeric display; integrated self-test function and service program; speed control switchable from ASC to individual setting; integrated connection socket for footswitch

Accessories

EIBOS

EIBOS for simultaneous wide-angle observation of fundus and incision area; non-contact, hands-free and bi-manual application for vitreoretinal surgery, approx. 100° field of view; integrated reversing optics for left-right correction (SDI) with reduced building height; safe for patient's eye by spring-loaded suspension; internal focussing via lever ranging from retina to upper vitreous body; ideal for quick inspection of posterior segment; swing-away position without interfering with cataract surgery adapter ring

90 D lens

SPXL – lens

Professional video camera

PAL system

1 CCD color video camera

Image enhancer

min. 500 lines resolution (horizontal)

power supply and connection cable to monitor

Stereoscopic observer

three axis inclination

image erection

straight eyepiece head

two oculars 12.5x (screw type)

diopter setting

video camera adapter for 1 CCD camera

Disposables

sterilizable caps

dust cover

Item No 19
ANAESTHESIA VENTILATOR FOR O T

The workstation consisting of Anaesthesia machine, Vaporizers,and Monitor should be from single manufacturer to ensure proper maintenance and back up services. The machine should be complaint with CE & US FDA certification.

Anesthesia Machine

Should have separate indexed (Pin index/DISS/NIST) provision for pipeline attachments for O2, N2O and Medical air provision for extra attachment of two O2 and one N2O pin indexed cylinders.

Should have primary step down regulator fitted with metal diaphragm & have no perishable rebber parts.

I ligh pressure tubing for O2 N2O and Medical air with pipeline connectors (one each)

Should be supplied with workstation.

Pipeline, cylinder and Airway pressures should all be displayed on colour coded gauges in accordance with ISO requirements (separate for each gas) and be visible at all times during the operation. Should provide oxygen basal flow (minimum 200 ml).

Should have System on/off switch which should activate both gas delivery of the machine and ventilator.

Ventilator should be pneumatically driven technology. Decending bellows not preferred.

Should have double tube bobbin type/digital rotameters for O2. N2O and single/double for air, should provide low flows and mechanical mixing to provide minimum 25% O2 in the gaseous mixture. Flowmeter adjustment should be at least 50ml/min increments below l liter/min of gas flow and at least 500ml/min above l liter/min of gas flow.

Machine should be able to deliver flows up to at least 12 liter/min for O_2&N_2O.

Should have provision for mounting at least two selectatec vaporizers simultaneously.

which allow easy exchange between agents.

Vaporisers for Halothane Isoflurane Sevoflurane and Desflurane to be provided alongwith the machine.

Should have conveniently placed bag mount and APL valve assembly and separate facility for using bain circuit and Magill circuits.

Should have safety features including audio alarm system for oxygen failure, according to international safety guidelines and mechanical hypoxic guard.

Should have 02 flush device to deliver oxygen flow>35-50 liter/min. It should be protected from accidental activation as per ISO requirements Activation should be on so long it is pressed Astivation of emeregency O2 flush should not interfare with set flow from the flow meters as well as anesthetic agent output from the wpori/crs.

Should have work surface.

Should have stainless steel/laminate top, minimum of two drawers to keep accessories, good mobility, anti static caster wheels with locking facility & conveniently placed handles for easy movement of the machine.

CO2 Absorber

Should have singe/twin canister, autoclavable CO2 absorber canister and bellows. Absorber system should have bypass capability in the event of removal of canister during clinical procedure.

Absorbent capacity of at least 1000 gms

Should have analog airway pressure guage to measure patient airway pressure during manual ventilation.

Should have bag / vent selecting switch (bistable type) integrated onto the absorber and should automatically turn on the ventilator when positioned to vent mode.

APL valve (1.5-70 cm H2O) should be automatically by passed when manual ventilation hag to ventilator switch is turned to ventilator mode.

Breathing system should be close circle system type mounted on the machine. Should be nature latex free and autoclavable.

Anaesthesia Ventilator

Should have large, colored, digital screen with touch /wheel control facility, pneumatically driven, electronically controlled ventilator and operable on 220-250V, 50 Hz AC with a battery back up of at least 45 min to support ventilator and monitor. There should be only one power input souree with power cable at least 3 meters long for AC power connection. Screen size should be at least 8 inches diagonally.

Should have extra O2 Back-up supply with flow meter.

should have integrated negative pressure suction sources with negative pressure adjustment & on -off switch.

Should have various modes –volume controlled, pressure controlled, spontaneous and standby along with supporting modes like SIMV, PSV and suitable for adult, paedicatric & neonatal patients with single bellows

Assisted modes of breathing should be flow triggered

Should have integrated FiO2 monitor , inverse 1:E Ratio, electronic PEEP referenced trigger facility, inspiratory pause.

Should have pressure and flow waveforms

Ventilator should have a bag mode to allow manual ventilation.

Anesthesia machine in mechanical ventilation mode should automatically compensate for compression losses within the absorber and bellows assembly breath by breath with flow measurement from integrated inspiratory & expiratory flow sensors.

It should have tidal volume from 20ml to 1400ml

It should have breath rate of 4 to 60 bpm or more

Should have inverse 1:E ratio capability of 2:1 to 1:4.

Should have electronic PEEP 0-20 cm H2O

Inspired airway pressure range 5-60cm H2O with Pmax 15-60 cm H2O.

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

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

Maximum inspiratory flow should be at least 100 litres/min in case of pressure controlled ventilation mode

The Ventilator should have the facility for active anesthetic gas scavenging & audiovisual alarms with temporary muting facility for power failure breathing system disconnection low and high inspiratory airway pressure. Alarm volume should be adjustable.

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

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

Vaporizer

Must be isolated from the gas flow in the off position &prevent the simultaneous activation of more then one vaporizer.

Should be agent specific

Calibrated

Should have safety features including audio alarm system for oxygen failure, according to international safety guidelines and mechanical hypoxic guard.

To have temperature, pressure and flow compensation

Should be quick loding/unloding type with anesthetic delivery range

There should be isolated electric power socket for desflurane vaporizer near selected bracket as a provision for mounting desflurane vaporizer.

Anesthesia Monitor

The anesthesia workstation should have integrated modular system to monitor ventilation anesthesia gas and patient parameters that should have at least 17 inch color TFT/CRT display having ergonomic mounting arrangement on the anesthesia work station.

It should have at least 12 channels with ability to display at least eight waveforms simulaneously. It should have multi parameter space saving desing of modular for measuring ECG,NIBP,IBP,Temperature,SpO2,EtCO2 (both mainsteram & sidestream),Spirometery,BIS and Neuromuscular Junction monitoring as following.

a) Respiratory rate measurement by impedance method.

b) SpO2 measurement with plethysmograph and saturation dependent audio tone.

c) NIBP measurement with cuff inflation-deflation eycle time not more then 30 secound.

d) Provision for three invasive pressure measurement simultaneously.

e) User selectable heart rate display from ECG Pulse oximetery Invasive asterial pressures.

f) I win temperature measurement.

g) It should have provision for automatic identification and measurement of Anesthetic Agents (I Ialothane,lsoflurane, Sevoflurane and Desflurane). CO2, O2 and N2O Facility to measure MAC value.

BIS Module with waveform and trend display for depth of Anesthesia monitoring. Airway Pressure, volume and flow measurement with facility for loop display of pressure vs. time, flow vs.time and pressure vs. volume.

Neuro-muscular junction (NMJ) monitoring module including facilities for single twitch.Train of four Post-tetanie count and double Burst suppression with requisite sensors to measure response.

Side arm support cable going to patient from the Anesthesia workstation.

Split screen facility and at least 24hrs of graphical and numericaltrending.

Facility to store snapshots during critical events for waveform review at a later stage.

Adjustable audiovisual and graded alarming system.

P ser configurable modes.

Data out put port for netwarking facility with remote elient computer.The anesthesia monitor should have capability of being networked to any connected hospital LAN for remote browsing of real time waveforms. Graphical and numerical trends up to 24hrs from each anesthesia workstation monitor and run from any office computer in the hospital LAN.

Networking for anesthesia workstation with central monitor at designated place.

Should have provision for anesthesia record and laser print out facility on patient anesthesia record chart.

The anesthesia ventilator should be accomanied with following accessories

a) Standard Bain Circuit – 4 Nos

b) Magill Breathing System-2 Nos

c) Jackson Rees Circuit Paediatric – 4 Nos

d) Silicon Face Mask 0,1,2,3,4, & 5 -4 No each

e) Silicon Face Mask 0-000 pediatrie-4 Sets

f) Breathing Bag 2 Ltrs.1liter & 500 ml – 5 each,

g) Standard closed circuits (cricle system)- Adult :4 sets.Pediatric : 4 sets

h) Airway pressure & flow measurement line-10 No

i) Ventilator Bellows-2 each for adult & pediatric patients

j) Ventilator filters/ sensor -10 No

k) Five lead ECG cable

l) SpO2 cable & sensor -10 & pediatric 5.

m) Temperature probe with cable:

- Nasopharyngeal -5
- Skin-2
- Rectal-2

n) EtCO2 and anesthesia gas sampling lines 20

o) NIBP tubing & cuffs:

- Adult large 5
- Adult medium 10
- Children 5
- Infant 2

p) Invasive pressure cable & reusable pressure transducers 6
Disposable pressure transducer domes 50

q) BIS cables 2
BIS sensors disposable 100 (to be supplied 25 per year)

r)NMJ monitoring cables and sensors 2

The frim will have to demonstrate the quoted equipment with its complete operative manual to check its functioning and meeting of specifications at own cost.

In case of any components or parts used/supplied in anesthesia workstation from different local manufacturer. The principal company will have to take the reponsibility of warranty and CAMC of these components also.

Terms and conditions for warranty for 2 years and CAMC for 5 year after sale service as per institution requirement. During AMC &CAMC firm should ensure uninterrupted functional status of equipment. During warranty and CMS period any nonfunctional/malfunctional accessory items like silicon breathing system, cable/probes/sensors cuff of various monitoring modules will be replaced by the company to keep the workstation functional round the clock.

There should be provision for providing anesthesia machine with at least one vaporizer (Isoflurane or Sevofluarne).

Anesthesia ventilator and monitor for ECG,NIBP, EtCO2 and SpO2

if company fails to repair the workstation within 5 hours during warranty & nonfunction /malfunction of main equipment or its spares and accessories otherwise penalty of 0.1% of basic cost excluding CMC of workstation will be imposed per day.

In case defective anesthesia workstation is replaced by another fully functional anesthesia Compliance statement should be attached.

Item No 20

TRANSPORT VENTILATOR FOR AMBULANCE

Specifications for portable ventilator

1. Micro turbine controlled electrically driven intensive care ventilator adult and paediatric

2. Should have invasive. Noninvasive ventilation with leakage compensation.

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 apnea backup 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 liter/min.

D. SIMV rate 2-40 bmp.

E. PEEP: 0-20mbar

F. Pressure support'ASB: 0-40 cm H2O relative to PEEP

G. Inspiration pressure: 0-100 mbar

H. I/E ratio:1.0-3.0

I. Inspiratory time control cycle 0.1-0.3 sec (time cycke operation).

J. FiO2 measurement from 21 to 100%

K. Should have inspiratory trigger

L. Should have exhalation trigger

M. How trigger 3-15 liter /min (adults) & 0.15-15 liter/min (pediatrie).

N. Should have sigh

O. Should have integrated SpO2 monitor

P. Should have double limb ventilation

Q. Should have battery back up for at least 10 hours

R. Should have automatic adjustment of flow at airway pressure for delivering set tidal volume.

S. Ventiltor should have oxygen blending from high pressure oxygen source as well as low pressure oxygen blending.

T. Should be possible to operate from a varicty of power sources including AC power (220), rechargeable external/internal batteries (Lithium ion/ Nickel-cadmium battery or equivalent standard).

U. Should have availability to change the flow pattern in volume control (rectangle and decelerate)

V. Ramp control for pressure modes

Alarms

A. Should have minimum & maximum inspired tidal volume alarm

B. Should have minimum exhaled tidal volume leak maxi alarm

C. Should have fr(frequency) maxi

D. Should have min &maxi inspiratory time alarm.

E. Should have alarms for high/low peak pressure, apnea, external power low/ failure, disconnection, PEEP not set, low battery /fail.high /low minute volume and oxygen line failure.

Alarm silence & reset facility should be available.

Monitoring & display (real time)

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. Peak pressure. Plateau pressure, CPAP/PEEP. Inspired minute volume.

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

Ventilator should be supplied with following accessories:

a) Adult breathing cricuits 4 sets

b) Pedratric breathing circuits 4 sets

c) Rechargeable batteries 2 sets

d) Base to mount ventilator

Item No 21
ULTRASOUND MACHINE

System should be latest generation state of the artportable for abdomial, vascular, obsterics & gynecology, musculosketal, small parts application etc., with suitable evaluation and measurement packages remarks

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

i) Convex array transducer (frequency range of 2-4 MHz) (+/-1 MHz)

ii) Intracavitray transducer (frequency range between 2 to 10 MHz) (+/- MHz)

2. System should have following modes :

i) B, M mode, B/M and tissue harmonic imagings should be available transducer.

3. Digital processing channel -60 or more digital channels for high resolution 2D imaging with acquisition rate of at least 50 frames per second

4. Grey scale (min. 256 or more)

5. Board bandwidth beam former tecnology transducers for extreme high resolution 2d imaging

6. Extended field of view imaging

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

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

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

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

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

12. Complete package for measurement and calculation provision for distance, aera, volume & cricumference etc.

13. Equipment should be of light weight.

14. Image storage : should have inbuilt hard disk for image storage capacity.

15. Image archival: induit CD wirter/flash drive with the facility to transfer images.

16. DICOM compatible

17. System should have direct connectivity to printer for printing images and report

18. System should have extensive calculation softwere packege for general imaging,ob/gyn

19. Accessories.

1. B/w thermal printer of latest model (with CE or FDA mark)

2. Biopsy attachment for the tv/tr probes

3. UPS of appropriate rating with 60 mins back up; additional to inbuilt battery back up of at least 30 min

> Operation manual-one hard copy & one soft copy should be attached.

> Spares and consumables parts should be available for 10 years.

Item No 22
VACCUM THERMO FORMING UNIT (VACUPRESS)

Vacuum thermo forming unit with touch less temperature control, pre-vacuum and touch panel upto 240 degree C.

Sensor window for temperature registration.

Granules pot.

Model Plate.

Additional feature of pressure moulding for proper adaptation.

Item No 23
BIOSAFETY HOOD

Equipment Specifications for Biological Safety Cabinets-Class-IIA, Microbiology.

1. Description of Function

1.1 Bio safety cabinets are used to provide primary containment in the laboratory when the investigator is using potentially infectious materials.

1 Operational Requirements

1.1 Protection for operator, environment and the product, from aerosols and microorganisms

1.2 Microprocessor/Microcontroller/Microcomputer controlled system.

2 Technical Specifications

3.1 Outer Body made of MS Steel with epoxy Powder coated(dimensions4x2x3 feet with variation range +/- 3inches

3.2 HEPA filters with 99.999% efficiency for particles 0.3 mm (H14 class according to ENI 822)

3.3 Automatic speed compensation system against clogged main HEPA filter Pre-filteration unit with retention of 10 to 15 micro meter

3.4 Air Circulation to vertical with 30% exhaust and 70% recirculation

3.5 Single stainless steel perforated working platform

3.6 Alarms for power failure and door opening

3.7 Should be fitted with UV light > 800 lux

3.8 High-speed centrifugal blower with lifetime lubricated

3.9 Noise level <58dBA, Elapsed hour counter

3.10 DOP test outlet

3.11 Fluorescent lamp to obtain powerful glare-free lighting . On site installation and appropriate certificate to be provided

3.12 On/Off switch with key lock.

3.13 Gas connection should be provided in the cabinet

3.14 Quote for BOP tested Hepa filters separately

4. System Configuration Accessories, spares and consumables

4.1 As specified

5 Environmental factors

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

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

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

5.4 One filter set replacement should be included in AMC once in a year

6 Power Supply

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

6.2 Reset table over current breaker shall be fitted for protection

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

7. Standards and Safety

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

7.2 Should be FDA or CE or ISI approved product

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

8. Documentation

8.1 User/Technical/Maintenance manuals to be supplied

8.2 Certificate of calibration and inspection from factory.

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

8.4 List of important spare parts and accessories with their part number and costing available in stock with the supplier

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

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

Item No 24
PHOTOTHERAPY CFL DOUBLE SURFACE

Technical Specifications:

Heavy base mobile stand phototherapy unit

Hood should Properly Streamlined with proper Ventilation.

Antistatic castors, 2 with breaks

Single head, surface size, approx: 0.50 x 0.75 m Head height adjustable, approx: 1.40 to 1.75 m Blue light, 4 Compact Fluorescence Tubes (CFL), approx: 20 W

White light, 2 Compact Fluorescence Tubes (CFL), approx: 20 W Separate On Off Switch for White and Blue Light

Tubes are protected by grill (Chrome plated wide mess)

Irradiance at skin level, up to: 40 uW / cm2 / nm Wavelength: 420 to 500 nm, with highest intensity at 470 nm

Integrated cumulative hour timer

- Power requirement: 220 V / 50 Hz
- Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted).
- CE/FDA/BIS approved product. (Certificate to be submitted).

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

Supplied with:

- 2 x spare blue CFL tubes
- 1 x spare white CFL tube

1 x spare set of fuses

- User manual with trouble shooting guidance, in English
- Technical manual with maintenance and first line technical intervention instructions, in English
- List of priced accessories

List of priced spare parts

Item No 25
BLACK AND WHITE ULTRASOUND MACHINE

1. Fully digital

System should be fully digital

Digital beam forming

Dynamic receving fousing

Dynamic frequency scan

Dynamic apodization

2.Operating mode - window based operation

3.Applications software - should have application package for abdominal, ob/gyn, urology, cardiology, small thyroid, scrotum, breast, orbit

4. Operating modes - B-mode, M –mode, BM –mode, B+B–mode, 4b- mode

5.Transducers

a- Transducer should be broad band

b-Convex array transducer with either 2-6 or 3-5 MHz frequencies

c-Broad band hign frequency linear array with frequeny range 5-10 MHz

d-Broad band multiarray sector probe with frequency range 1-5 MHz

6-The system should have 256 grayscale or more

7- System should have a dynamic range 0f 190db

8-The system should be able to support atleast two transducers---2-active ports imaging depth should minimum 30 cm more will be preferable

9-The system should have higher frame rate.

10- The system should have a 12" or more flat pannel color monitor.

11-Zoom should be in live and freeze mode.

12 – The system should be autofocus and also transmission focus more than 4 times. the system should have in built hard disk of atleast 40gb higher will be preferable.

13-The system should hve a cine memory of atleast 256 frame, higher will be prefarable.

14-Programsable annotation should be available.

15-TGC should be 8 steps.

16-Keyboard – alphaneumaric and with backlight

17-The system should have tissue harmonic—phase inversion thi.

18-Panoramic imaging facility.

19-B & W thermal printer.

20 An on line ups with atleat 30 minute powers backup.

21-Supplier company or firm must have its service center in jaipur strictly.

22 The system including transducer should bear a comprensive warranty of atleast three year.

23-Annual maintainanc contract for five years.

24-Spares and conumable parts should availabe for seven years.

24 –copy of soft ware—one hard copy and one soft copy.

25-Four or more channel measurement shuuld be availabe in package.detailed obstetric, urology, gyn and small part package shuold be availabe.

26-peripheral out puts—video out put-for CD,DVD recording.

VGAoutput

minimum two USB port

two thermal printer output

DICOM –upgradable

27-Ahigher end computer with graber soft ware and b&w laser printer.

Item No 26
BLOOD BANK REFRIGERATOR

General

Should operate at 4 ° C with +/- 1 °C temperature uniformity

Must be designed for blood bank use. Commercial or modified commercial refrigerators are not acceptable

Should be able to pass through standard door heights of 201 cm (79") with casters without requiring the unit to be tipped or laid on its side.

Should be CE marked.

Construction

Should have an interior and exterior that is constructed of minimum 20 gauge, galvanized steel.

Should incorporate bacteria resistant, powder coated interior, exterior and door handle.

Should have a minimum non-CFC urethane insulation

Should utilize a self-closing door with full-length handle, key lock and non-CFC urethane insulation.

Should include swivel-locking casters as a standard feature.

Should incorporate a recessed interior floor to contain spills.

Should have a chamber access port in the top of the unit.

Should have an interior fluorescent light with control panel mounted switch as a standard feature.

Should have a light bulb that can be changed without removing the drawers.

Should have dual-pane, glass door and key lock with a right hand hinge.

Should have self-closing door system

Independent Temperature Controller

Should utilize an independent, microprocessor temperature controller that is programmable from +2o C to +8o C.

Should have a Microprocessor controlled temperature readout, readable in 0.1o C increments.

Should have a stainless steel, RTD temperature probe that is located in the chamber.

Should have all functions accessible through a touch pad on the control panel.

Should have refrigeration system “ON” indicator provided as a standard feature.

Independent Alarm / Monitor System

Should be able to program the high and low temperature alarms.

Should have audible and visual high and low temperature alarms as a standard feature.

Should have a stainless steel RTD temperature probe located in the top portion of the chamber in a product simulation bottle.

Should have audible and visual door ajar alarm as a standard feature.

Must have all functions accessible through a touch pad on the control panel.

Should have an alarm silence button.

Should have alarm disable switch. Should have remote alarm contacts as a standard feature.

Should have battery backup with a minimum of 2 hours life.

Should have a power fail alarm as a standard feature.

Temperature Recorder

Must have four inch, 7-day, ink-less, pressure-sensitive circular chart recorder.

Must have chart recorder temperature range of -5 deg C to +20 deg C.

Must incorporate a separate battery backup to ensure continuous operation of the chart recorder during power failure.

Must have temperature recorder probe that is independent from other probes.

Must have power status indicator.

Must have an optional deduction of the chart recorder.

. Should have LCD Temprature Graphs that should display 24 continuous hours of data and event logging of door openings and alarm conditions.

. Should have adjustable alarm volumes and password protected configurations.

Refrigeration System

Must incorporate a heavy-duty, air-cooled refrigeration system designed to operate on 230 volt 50/60 Hz.

Must utilize non-CFC, commercially available refrigerant.

Must have an automatic condense evaporator as a standard feature.

Must have an internal evaporator fan that shuts off when the door is opened.

Must have a compressor that can maintain required chamber temperatures when operating between 200-240 volts and 50 Hz.

Must incorporate a defrost system that requires no defrost timer, electric heaters or defrost down time.

Must keep the refrigerator free of frost without elevating the chamber temperature.

Drawers

Must have solid bottom and liquid tight stainless steel drawers for containment of spills

Must incorporate Scratch-Guard drawer edge protectors that keep the glass from being scratched.

Must have fully extendable drawer slides.

Must have shelf standards with a clear powder-coated finish to guard against rust and corrosion.

Must have drawers that are adjustable

Must have optional drawer dividers available as an accessory.

Must have a cabinet designed to accommodate available optional half-size wire shelves, full-size wire shelves and rollout wire baskets with no cabinet modifications.

Electrical

External transformers are not acceptable

Item No 27
BLOOD COLLECTION MONITOR

- Weighing range 100—999ml
- Automatic tare to zero for the bag weight.
- Adjustable low and high flow alarms.
- Adjustable donation time out up to 20 minutes.
- Adjustable default volume.
- Automatic clamp of tubing at the end of the donation.
- Weighing accuracy +/- 2%.
- Power supply 115/230 VAC 50/60Hz
- Power consumption Max 10VA
- Dimensions - 290(L) X 253(W)X 150(H)mm
- Weigh: about approx 5kg incl battery

· Should have a data memory of approx 30000 characters

· Provision to attach bar code reader(optional) for capturing external data related to donor

· Internal fuses to be PTC-self recovery to ensure continuous operations

· Automatic Calibration Feature

Item No 28
BLOOD GAS ANALYZER

Fully Automatic Microprocessor Controlled Latest Blood Gas Analyser with all the Necessary accessories having following features

Measured Parameters

pH, pCO_2, pO_2, Barometric Pressure

Na^+, K^+, CI-, Ca2+

Hematocrit (Hct)

tHb and SaO_2

Calculated Parameters

Up to 30 calculated parameters can be programmed

pH at patient temp

pCO_2 at patient temp

pO_2 at patient temp

Base Excess (BE_{ecf})

BE at actual SaO_2 (BE_{act})

Buffer base (BB)

Actual bicarbonate (HCO_3)

Standard Bicarbonate (ST HCO_3)

Total CO_2 (ctCO2-B & P)

Standard pH (ST pH)

Oxygen Content (cO_2)

Hydrogen lon Concentration (cH^+)

$AaDO_2$

Respiratory Indes (RI)

P_{50}

Anion Gap (AG)

FIO_2

Qs / Qt

Sample throughput - 30 / hour

Fully automatic Liquid calibration of all parameters at fixes/user defined intervals. No calibration gases required

Miniature type maintenance free electrodes

Individual switch off / on facility of whole module or parameter

Data display on built in flat color 6” LCD display screen (touch screen)

Data printout on fast low noise thermal printer with graphics capability

Storage of data on built in Microprocessor

Optional PCMCIA Card for data Storage

Built in Barcode-by facility for economical operation

Low consumption of reagents during the operation

Interfaces 2´Rs 232, 1´Ethemet Connection, 1´Barcode Scanner

Built in voltage stabilizer for the voltage range from 100-240 VAC/50Hz Only 3 types of reagents Required for calibration & Measurement. Reagent Onboard Shelf life should be minimum 45 days

Should be FDA Approved

Activating & deactivating parameters by only key-stroke

Item No 29

BLOOD TRANSPORTATION BOX

Mobile Refrigerated Transportation Box - should be able to transport Packed Red Cells, Whole Blood, Platelets, Plasma at the required specific temperatures

Should be robust, light weight, portable Mobile Refrigerated Transport Box made up of rotationally moulded polyethylene

Temperature Range adjustable from -20 deg C to + 22 deg C

Capacity to Hold 25-30 blood bags of 450 ml

Should work on AC & DC power with the provision of attachemnt to vehicle battery.

Should have digital temperature display of the internal temperature with functional alarm systems to indicate variations in the set temperature.

Should be CFC free refrigerant

Item No 30

DEEP FREEZER -40deg C

Voltage: 220v/50hz capacity 310 litres

TEMP: -20 TO -40degc, microprocessor controled

Access port

Heavy-duty swivel casters

Heavy-gauge steel cabinet with long-lasting powder paint finish

Single door +keylock, digital display

Refrigerating fluid & insulation: CFC free.

Rounded interior corners

Eye-level controls

Temp: alarm

Microprocessor alarm

Battery back-up

Audible/visual overtemperature alarm

Low voltage booster

Air insulated inner doors

3 adjustable shelves

Base mounted controls

Multi-point gasket seals

Automatic voltage booster

Set point security system

Independent operating temperature and high/low limit alarm
Automatic voltage boost
On-board monitoring
Air-cooled cascade refrigeration system
Efficient downfeed evaporator
High capacity air-cooled condenser
Heated door seals (hot gas) minimizes frost build-up around door gasket
Door latch cam action with key lock, one hand operation
Door handle full length for easy access
Chart recorder 7 day 6 ”
Servo controlled voltage stabilizer of 3 kva should be included

Item No 31

DIGITAL MAMOGRAPHY SYSTEM

Description of function

1.1 Mammography system to replace conventional Film/Screen based Mammography Studies with digital imag

2.1 Full Digital Mammography System consisting of exposure stand with attached swivel system, separate console with radiation shield, automatic exposure control and mammography X-Ray Tube.

2.2 An integrated direct-to-digital Flat Detector based on amaorphous silicon technology.

2.3 A separate workstation for image positioning and patient demographic data is required.

2.4 The workstation should be able to send, receive and print according to DICOM standards.

2.5 The workstation should also be able to obtain DICOM modality, work list from connected information system and send information about performed procedure to the connected information system

2.6 Read and Write in CD/DVD for data Storage and review.

Technical Specifications

3.1 Mammography System 01

The system should consists of a tube head and detector assembly that has isocentric rotation for every positioning.

The iso-centric movements should be motorized. The patient Compresion device should have automatic multi-speed variable compression system which senses the breast density and adjust the compression force.

The maximum compression thickness should be 18 cm or more.

The patient table should have motorised grid movement.

Magnification devices of ratio 1.5 and 1.8 should offered.

Digital display of compression force and compression thickness should be available.

3.2 X-Ray Generator and Tube

The X-ray generator should be high frequency with the following parameters:

kV range: at least 25-35 kV in steps of 1 kV

mAS range: 0-750 mAS or more
Exposure time: 0-700ms
Maximum mA: 180mA or more
X-Ray tube unit:
Dual focus rotating anode tube with the following parameters:
focal spot size: 0.1mm and 0.3mm
Anode heat storage: 150 kHU or more
Tube heat Storage: 1.3MHU or more
Anode material: Molybdenum and Tungsten
Please mention the filter material used in the tube
3.3 Flat Panel Detector:
Type of detector: Amorphour selenium preferred
Detector size: 24cmx29cm or more with two image formats
Pixel size: 70i or less
Image matrix in pixels: large size-3Kx 4K or more Small size: 2Kx 3K or more
3.4 Workstation for image Acquisition:
The workstation should enable immediate image display for general survey for patient positioning. It should be able to store around 10000 images. The networking should on TCPIP protocol.

The following image processing should be possible on the workstation:
Image display:
Freely selectable screen layout
Windows settings (contrast and brightness setting)
Magnification, stepped and dynamic zoom
Image inversion (black/white)
Annotation:
Left/right marking
Text additions
Lines
Rectangles and circles
Measurements:
Distance
Angle
Density
Image evaluation:
contrast enhancement(with table)
Display of histogram
Length measurements
Before /after comparison
Filter
Administration:
The demographic patient data should be retrieved directly from a HIS/RIS system
The demographic patient data can be entered manually
Retrieval of images from CD, DVD or PACS
- Printing of images on DICOM – compatible printers

The workstation should be fully DICOM compatible

High Contrast 1Kx 1K TFT monitor should be provided with workstation.

Item No 32

ELECTRO CAUTERY BIPOLAR SURGICAL DIATHERMY

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

It should have Auto start function.

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

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

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

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

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

Should have max. 50 watts (Bipolar) output.

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

Should have Membrane Key Button with Digital Display.

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

should be supplied with following accessory:

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

Non sticking, insulated bayonet bipolar forceps with sintram tips.

0.7mm, 160mm.

1.0mm, 185mm

1.0mm, 200mm

Non sticking, insulated angled bipolar forceps with sintram tips

1.0mm, 200mm

Casper type, bayonet forceps:

0.5, 1.0, 2.0mm 195mm

1.0, 2.0mm, 220mm

250mm with button for Transphenoidal surgery

Yasargil type, bayonet forceps

0.4mm, 175mm

0.7mm, 195mm

1.3mm, 195mm

1.0mm, 215mm

1.3mm, 215mm

1.3mm, 235mm

Item No 33
LABORATORY REFRIGERATOR

Frost free single door laboratory refrigerator 600 litre capacity

1. Uniform temperature maintains in all parts of the refrigerator within temperature range of 4 deg C +/- 2 deg C with +/- 1 deg C variation

2. The system should have provision to prevent moisture condensation in humid weather

3. The cabinet constructed of minimum 18 gauge steel, bacteria resistant powder coated interior and exterior, CFC free urethane refrigerant insulation, recessed interior floor to contain spills, magnetic seal self closing single door with no mechanical latches, with full length handle, key lock and CFC free urethane insulation. Mounting on durable castor wheels optional dual pane glass door. Plastic coated trays with adjustable gap. Provision for automatic evaporation of condensate.

4. Internal CFL lighting with control mounted switch as standard.

5. Built in temperature sensor, recorder, and control unit.

6. Digital LED display of temperature

7. Standard conforming CE mark & ISO 9001:2000(SGS)

8. Laboratory grade commercial or modified commercial refrigerator are not acceptable.

Essential accessories must be supplied with the main consignment

1. Power cord Indian type

2. Seven day electronic chart recorder with battery back up

Item No 34
PORTABLE TUBE SEALER

Radio frequency operated portable electrical blood bag tube sealer light weight model

1. RF oscillator generated hermetic wave sealing

2. Designed to meet all the international safety requirements of EN 60601-1 to ensure safety to donors, phlebotomist and recipient against electrical shock hazards, fire hazards, mechanical hazards, and electromagnetic interferences

3. To ensure the hemolysis of blood does not occur in the tube segment

4. Automatic tube detection and easy separation of tube segment after sealing

5. Accessible electrodes for easy cleaning

6. Provided with splash guard

7. There should not be any delayed warm up time

8. LED indicator for power on, ready, seal and cover open

9. Standard conforming CE mark, S mark and ISO 9001:2000(SGS)

Essential accessories must be supplied with the main consignment and committed in the bid

1. Power cord Indian type

Item No 35
QUALITY MIXER

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

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

Dimensions-290L X 253 W X 150H mm

Max Weight –5 KG approx

Power Supply- 230VAC

Should be CE marked

Item No 36
STRESS TEST SYSTEM(TMT)

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

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

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

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

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

Should have user settable protocols.

Patient module should have USB connectivity.

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

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

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

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

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

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

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

Should have keyboard short cuts.

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

Capability to insert event marks during stress.

Capability to change ST points during stress.

Should have manual measurement cursors for P-wave, QRS and T-wave.

Should allow to measure width (P, QRS, T-wave) and intervals (PR, QT etc.,)

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

Should be able to export QRS intervals from 12 lead Rhythm ECG, Stress / Resting ECG report in word / RTF format and shluld be able to export raw ECG data.

Printing:

Should be able to print strips during stress or after.

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

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

Should have average beat report with ST measurements.

Should have Trend graphs

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

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

Treadmill should provide smooth and safe operation.

Should have automatic belt alignment.

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

Should have emergency stop button.

Other Technical specs:

ECG sampling rate: 1000 Hz

ECG input voltage: 16mm Vpp

Noise voltage: 20uV

10 lead patient cable

Treadmill interface

Signal frequency range: 0.05Hz to 250 Hz.

Windows operating system.

PC Pentium latest workstation.

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

Should have US FDA and CE certifications

Display of following parameters in all stages of exercise & recovery:-

1. METs
2. Heart Rate
3. Target Heart Rate with % of completion Heart Rate
4. ST measurement mode (Manual/Auto)
5. Current ST level & ST slope
6. Exercise protocol stage name
7. "Switch-off" facility for patient
8. Automatic BP monitoring system

Item No 37
ABDOMINAL HYSTERECTOMY SET

	Qty
1 Sponge Holder	4
2 Needle holder	3
3 Bab cock	2
4 Artery forceps 6.1/2”	10
5 Artery forceps7.1/2”	4
6 Allis Forceps	6
7 Straight Hyst. Clamp	5
8 Curved clamp	5
9 Mosquitoes forceps 4.1/2”	6
10 Doyn’s Retractor Big	1
11 Self Retaining Forceps (Balfour)	1
12 Deverse Small	1
13 Deverse Big	1
14 Towel clip	5
15 Steel Basin	2
16 S.S Bowl	3
17 Steel Tray Big	2
18 Myo curved scissor 8”	2
19 Straight scissor 6.5”	2
20 Tooth dissecting forceps 6.5”	1
21 Non Tooth dissecting forceps 6.5”	1
22 Metzenbaum curved scissor 8”	2

Item No 38
ARTERIAL BLOOD GAS ANALYZER

The blood gas analyzer should have the following essential components. The quote optional accessories should be submitted.

1. Essential components:

The system should be able to measure accurately the following parameters

pH
Pco2
Po2
Haematocrit and hemoglobin
Electrolytes, Sodium, Potassium, lactate
Calcium and Chloride
Magnesium

The equipment should possess electrodes with long life of atleast 5 years (warranty on electrodes should be provided for 5 years)

Facility for regular quality assessment & maintenance of the instrument should be provided by the company minimum once in a month or more as required by the user.

2. Analyzer controller with software:

The instrument should provide the following calculated parameters

Bicarbonate (HCO3)

Standard HCO3

Base excess of blood (BE)

Base excess of extra cellular fluid (BE-Ecf)

Oxygen content (O2Ct)

Oxygen saturation (SO2%)

Total carbondioxide (TCO2)

Alveolar to arterial oxygen tension gradient (AaDO2)

Arterial alveolar oxygen tension gradient (a/A)

Oxygen carrying capacity (O2 Cap)

PO2/FlO2 ratio

P5O

Respiratory index

Anion gap

Plasma osmolatity

Ph/ Pco2/po2 corrected to patient temperature

Through put -40 tests per hour

All results should be available with in 1.5minutes max

Reagents remaining status should be available on the main screen for easy monitoring and replacement.

The instrument should have facilities like monitor screen, external key board, mouse and barcode reader if required

All results should be microprocessor controlled and of latest technology version.

The instrument should have the capability to interface a computer and a computer should be supplied for data acquisition and the patient recorder with recommended software.

The system should have RS232 serial port.

Display language should have English.

3. Recording devices:

High end colour ink jet printer, refilling of catridges should be possible compatible with ABG machine.

4. Sampler:

The sample volume for all parameters should not exceed 200mico litre.

The instrument should accept heparinized whole blood, serum or plasma, arterial mixed venous and capillary sample.

It should also provide the facility to measure the above parameters in gases, cerebro spinal fluid, dialysate, pleural fluid and urine.

5. Reagents:

The company should timely supply reagents, quality controls, electrodes other consumables with the analyzer to run the machine satisfactorily over the period of five years @ 30 samples/day, depending on the expiry of these consumables. Rates of all the consumables to be quoted separately and the price should be valid for 8 years

6. Waste bag:

The waste container should be sealed to prevent operator biohazard

7. Back up power supply:

Compatible UPS systems for blood gas analyzer for a minimum one hour back up.

8. Power requirements: 220-240V AC, 50 Hz

Item No 39

BATTERY OPERATED DRILL AND SAW SYSTEM

Drill Handpiece-1 No.

Powered through 'Maintenance Free' . Pistol grip, Fully Cannulated,Tool-less assemble of attachments.

Accurate Speed control through the Trigger

Steam Autoclave, ETO, Formalin and in 10 minutes through a 'Flash' autoclave.

Drill speed of 1000 rpm and maximum torque of 150lbs.

Non Sterile Battery Kit-3 Nos

Non-Sterile Battery Charger Module- 3 Nos

Charging Station-1 No

Conditioning cycle completely discharges non-sterile battery before charging. Indicator Lights provide battery status feedback with "Charge",

AO Quick coupling- 1No

Adjustable Pin Collet -1 No

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

Synthes Reamer -1 No

Sagittal Saw hand piece-1 No

Powered through 'Maintenance free Pistol grip

Tool-less assemble of attachments. Accurate Speed control through the Trigger

Steam Autoclave, ETO, Formalence and in 10 minutes through a 'Flash' autoclave. Saw speed of 15000 cycles per minute

Blades for Sagittal Saw-10 Nos

CE certified

Item No 40

BIPHASIC DIFIBRILATOR

- Compact, portable and easy to use
- Light weight.
- Biphasic
- Waveform display
- External energy selection from 2 J to 200 J, biphasic
- Charging time less than 8 seconds @ 200 J (with a charged battery)
- Synchronizer and cardio version
- Unique disarm button (in addition to automatic time delay)
- Should come with high resolution monitor.

• Should come with 3 lead ECG that can be measured from cables, hard adult external paddles,paediatric adapters, disposable multipurpose defibrillator/ pacing/ ECG paddles.

• Heart rate: 20 to 300 bpm BPM with user selectable alarms.

• Should come with external pacing, demand and asynchronous modes

• Should display CPR in real time

• Should have large internal memory that stores and prints 25 ECG events.

• Long lasting sealed lead acid Ni-Cd battery: not less than 2 hours of continuous ECG monitoring or 60 full energy discharges.

• Battery indicator on display and self test on battery

Accessories needed

• Paddles with remote energy selection, charge and discharge buttons on paddles.

• Pediatric paddles adapters (set of 2)

• Integral A/c 240 v V 50 hz charger and mains power source. Adult paddles and test paddles.

• 3 lead patient cable

• One spare battery

• Roll of 50mm recording paper x 10 rolls

• 5 oz tube of defibrillation gel x 5 tubes

• ECG cable with leads.

• External disposable pacing pads

• Operation manual, service manual complete.

Item No 41

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 42

LSCS SET	**Qty**
1. Sponge Holder	4
2. Needle holder (8”)	3
3. Artery Forceps 8" (6 Nos curved and 4 nos straight)	10
4. Allis Forceps	5
5. Bab cock	2
6. Lanes Tissue Forceps	1
7. Doyn’s Retractor	1
8. Towel clip	4
9. Steel Basin	1
10. S.S. Bowl	3
11. Big Bowl	1
12. Steel Tray without cover	1
13. Green Armytage	3
14. Kidney Tray 10”	1
15. Myo curved scissor 8”	2
16. Straight scissor 7”	2
17. Tooth dissecting forceps 7”	1
18. Non Tooth dissecting forceps 7”	1
19. Metzenbaum curved scissor 8”	2

Item No 43

MINOR OT SURGERY INSTRUMENT SET

All the instruments should be from ISO 9001-2000 certified company and also CE certified

Instrument:	**Qty.**
Spencer wells artery forceps straight and curved - 6"/7"/8"	6 each
Mosq artery forceps straight and curved - 4"/5"	6 each
Kocher's artery forceps straight & curved - 6"	6 each
Dissecting forceps plain and toothed - 5"/6"	4 each
Dissecting forceps fine toothed and non toothed - 5"/6"	4 each
Russian desecting forceps - 6"	4
Towel forceps (Backhaus) - 4"	20

B.P handle - No: 3/4/7	6 each
Lister sinus dressing forceps - 6"	5
Malleable probe with eye - 6"/8"	3 each
Bozemann needle holder straight - 6"/8"	4 each
Kilner needle holder fine - 6"/6"	4 each
Mayo heggars needle holder straight - 6"/7"/8"	4 each
Dressing scissors curved and straight (sharpX sharp) - 6"	5
Dressing scissors curved and straight (sharpX blunt) - 6"	5
Iris scissors straight and curved - 5"	3 each
Knapp scissors straight and curved - 4 1/2" / 5 1/2"	4 each
Metz scissors curved and straight - 6"/7"/8"	4 each
Mayo scissors curved and straight - 6 1/2"/7 1/2"/8 1/2"	4 each
Greenberg scissors (kilner) straight and curved - 6"	4
Pott's angled scissors - 30 deg, 45 deg,60deg	2 each
Health suture removal scissors	4
Guage cutting scissors - 9"	4
Adson dissecting forceps plain and toothed - 5"/6"	4 each
Allis tissue forceps - 6"	12
Babcock grasping forceps - 6"	12
Mixture ligature right angled forceps - 6"/8"	4 each
Bowl lifting forceps - 12"	8
Mayo safety pin instrument holder	20
Cheatle jar	5
Cheatle forceps - 10"	8
Kilner skin retractor sharp and blunt	3 set each
Double hook retractor	8
Gillis skin hooks	8
Czerny retractor - 8"	6
Langenbeck retractor small - 25cmX6mm/35cmX15mm	6 each
Lengenbeck retractor big - 45cmX20mm/65cmx25mm	6 each
Lanes retractor - set of 2	2
Haemorrhoidal ligating gun with forceps - (+200 pile bands)	1
Sponge holding forceps - 8"/10"	5 each
Tubing clamp - 8"	4
Instrument sterilizing perforator box (SS) with silicon mat - 12"X10"X3"	5
Cidex box heavy stainless steel with lid - 28"X6"X5"	4
Doyen retractor - 1"/1 1/2"	4 each

Item No 44

MULTIPARA MONITOR WITH CENTRAL MONITORING STATION

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, 4 channel direct EEG, and BIS and prices to be offered as optional for each module separately.

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.

It should have split screen facility.

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 cuff 1 each (adult, pediatric and neonate)
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.
6. EtCO2 module with d-fend & cable.
7. Spirometry module.
8. BIS cable with sensor
9. NMT module
10. CO module
11. Laser printers

Monitor should have battery backup minimum of 2 hours

The equipment should be CE Approved.

Central Monitoring Station for multi para monitor:

System should have minimum 16 beds capability.

Central station should have 19" 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 certification

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 45
NEBULIZER AND HUMIDIFIER

Should be based on ultrasonic peizo-electric principal.

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

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

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

Noise level should be less than 35 dB.

Power requirement: 240VAC/ 50Hz

Item No 46
O T TABLE FOR MINOR OT

Dimensions:

a) Table top length with headrest 2080mm minimum

b) Width 520mm minimum.

c) Height 700mm to 1040mm

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

2. The table shall be provided with a cable connected hand control box with battery charge indicator.

3. An override manual control on the head-end of the base, to be provided in case of emergency.

a) Head-rest (detachable)

b) Back section

c) Seat section

d) Split Leg section (detachable).

5. The table should have stainless steel base cover.

6. The following adjustments shall be electro-hydraulically operated:-

a) Height 700mm – 1040mm

b) Back section up/down 75 deg./45 deg.

c) Leg section up/down 30 deg/90 deg.

d) Trendelenburg/Reverse trendelenburg 30/30 deg.

e) Tilts left/right 20 deg.

f) Reset to zero position

g) Brake locking/unlocking of the table base.

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

a) Arm board with cushion and clamp - 2 Nos.

b) Anesthesia screen with clamp - 1 No.

c) Body strap

d) Goepel knee crutches - 2 Nos.

e) Radial setting Clamp -2 Nos.

9. Patient Weight Capacity should be more than 225 Kg.

10. The table should be of international standard, i.e. C.E. & ISO

Item No 47
PORTABLE X-RAY MACHINE WITH LEAD APRON

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

Comprising of High Frequency X-ray generator
Multiphase 2.5 with the following out put-
Output: 2.5 KW as per Is 7620
KV Range : 40 KV-100KV in 24 steps
mA Range :16mA-60mA,
mAs Range : 0.32mA's-200mAs
Exposure Time : Min 20 m sec
The unit will be calibrated within the permissible limit of x-ray tube

X -RAY TUBE

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

Collimator:-

Bright field light beam collimator with 100W halogen
lamp and auto shut-off facility

Power Supply:-

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

Mobile Stand

Light weight, low height mobile stand with easy maneuverability
Total Weight = 130kg(approx)
Height in the parking position=140cm(approx)

Item No 48
RADIOVISIOGRAPH

1. Based on CCD or advanced CMOS technology must have sufficient fiber optics to protect the life of sensing element.
2. Sensor thickness not more than 5mm
3. Sensor size (size 1) dimensions of active area:-min 20x29mm
4. Sensor must have round edges/smooth curves for patient comfort
5. Theoretical resolution more than 22 line pairs/mm
6. No of pixels 1.5mega pixels(min)
7. Sensor wire length should be more than 2 meters
8. Direct connectivity to the computer through USB
9. Sensor must be provided with user friendly software which has facility to enhance, zoom, colorize, invert, and rotate the image. Should be DICOM compatible
10. Should have auto trigger function to eliminate the need to manually activate the sensor before exposure

11. Should be supplied with compatible computer having at least core 2 duo processor, windows 7 or vista or windows xp prof operating system, min 2GB RAM., 160GB Hard disk, CD ROM/DVD 52X(CD-R drive recommended), USB port 2.0(min 3 ports),17" LCD/TFT screen

12. Disinfectant for disinfecting sensor should be supplied along with

13. Should be supplied with sensor holder

Item No 49
RESPIRATOR VENTILATOR CRITICAL

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

Inverse ratio ventilation

APRV

• PAV+ (Proportional Assist Ventilation) or equivalent mode

Should have following Parameters: -

Tidal volume: 5 to 2000 ml
• Frequency: 2 to 150 b/m
• I:E Ratio : 1:299 to 4:1
• 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 leakage MV
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

h) Measurement of PEEPi PEEPi volume

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 facility of log book for storage of alarms.

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 autoclavable 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.

K) Compressor

a. Should be of same make as of ventilator.

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

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

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

L) Trolley

M) Hinged arm holder for holding the circuit

N) NIV masks - both nasal and facial 2 sets each

It should have auto flow facility, manual inspiratory/ expiratory hold, sign

It should have facility to to attach to remote computer

AMC/CMC rates for 5 years should be provided along with the order

In case of any default I working of the machine , company should repair the equipment within 4 hours, as early as possible or the company should provide another machine till the equipment is repaired .

The equipment should be US FDA Approved.

Item No 50

TOURNIQUET(AUTOMATIC)

1. Electrically operated system with two hoses and battery back up of upto 45 min.
2. Should have option for bier"s block and bilateral procedures.
3. Seven sizes 8" to 42" of cylindrical cuffs should meet individual requirements of thin and fat patient for arm and thigh. Cuffs should be autoclavable.
4. Small and light weight unit that can be mounted on i.v pole or placed on a table.
5. Audible and visual alarms when pressure variation is detected
6. Unit should perform self-calibration check every time it is turn on.
7. 50 to 500 mm hg pressure setting
8. 6 to 240 minutes time setting.
9. Positive locking connectors, leak free inflation cuff sleeves, which help reduce wrinkles pinching and shearing of soft tissues.
10. Cuff with lockout features, which should ensure that the cuffs stays inflated
11. Option for patient report through printer

Item No 51

ULTRASONIC CUTTING AND COAGULATION INSTRUMENT (HARMONIC KNIFE)

1. Ultrasonic generator (no current passes to or through the patient) with a frequency of 55.5 KHz, capable of incising tissue and providing haemostatic with minimum thermal injury.
2. It should have both 5mm and 10mm instruments for open and laparoscopic surgical procedures.
3. Generator should have facility to connect two double pedal footswitches, if required.
4. Generator should not have auto switch off mechanism.
5. Generator should have system diagnostics and trouble shooting guide to pinpoint and resolve alert/alarm functions like malfunctioning cable, probe etc.
6. Generator should have stand by mode for battery safety.
7. To provide cart to house the generator and accessories
8. Accessories:

a) Hand piece- transducers (all) to operate instruments mentioned in points 9 & 10

b) Foot switch with maximum and minimum pedals with cable.

9. Open surgery instruments:

a) 17 cm shaft, curved, tapered tip for precise dissection, seals 5mm vessels as well as lymphatic with 16mm active blade & 240 degree activation, triggers support multiple hand positions- quantity 4 pcs

b) 9cms shaft, curved, tapered tip for precise dissection, seals 5mm vessels as well as lymphatic with 16mm active blade & 240 degree activation, trigger support multiple hand positions quantity 12 pcs

c) 5mm hand activated curved coagulating shears capable of sealing blood vessels upto 5mm in diameter, 23cm shaft length quantity 4 pcs

10. Endoscopic(laparoscopic) surgery instruments:

5mm lap hand activated coagulation shears capable of sealing blood vessels up to 5mm in diameter, 36cm long. Quantity 12 pcs

11. The company should have fully operational service centre in India.

12. Power input to be 220-240V AC, fitted with Indian plug with UPS of suitable rating with voltage regulation and spike protection for 120 minutes backup.

13. Manufacturer should have ISO certification for quality standards.

14. User, technical and maintenance manuals to be supplied in English.

15. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist.

Item No 52
ULTRASOUND SCANNER WITH COLOR DOPPLER

The equipment should be digital with facility for whole body Ultrasonography and Colour Doppler imaging capable of performing radiology & complete cardiovascular imaging imaging .

Essential Features

The system should include all the following imaging modes : B mode, B mode split screen, M mode, color flow imaging, tissue harmonic imaging (both for 2D and color mode) and an integrated 4D imaging capability. Please specify any additional modes if available in the equipment.

The system should have broad bandwidth beam forming technology scanheads.

Integrated 3D imaging facility should be available.The system should have harmonic imaging on 2D and.panormic /extended FOV imaging facility should be available.

1. The equipment should support at least 3 transducers with simple electronic selection method for interchanging transducers.

2. The system should have a minimum of 4000 processing channels.

3. The system should have at least 256 gray scales and a high dynamic range, 180 dB or more.

4. An alpha-numeric keyboard with illuminated keys and switch on / off status display, black/white, left/right, up/down conversion keys.

5. Cineloop review facility both frame by frame and in cine mode.

6. The system should have an inbuilt hard drive capacity for storage of 15000 or more images.

7. Zoom facility with high resolution results, both in real time and frozen images with facility of pre and post processing with cineloop review of images .

8. Display of various Doppler parameters like Max / Min/ Mean velocities, PI,RI etc.

9. Adjustable sample volume size (Please specify), with provision for Doppler angle correction online as well as on frozen images.

10. 2D imaging depth of at least 24cm or more.

11. Image acquisition frame rate of 550 or higher. Please specify.

12. High Resolution image LCD monitor of at least 15" size with tilt and swivel facility.

13. Extensive calculations and measurements packages like distance, area,volume circumference, trace etc with calipers (at least 4 sets for each image)should be available. Please specify the facilities available in the equipment quoted.

14. Foot switch operation for freeze, expose facility to be available with the unit.

15. DICOM and PACS compatible

16. HIPAA compliant: system should have multiple user log on account to prevent misuse of system

Transducers :

• All probes should be of broad band beamformer technology.

• Transducers to have harmonic mode (2D and color) and 3D mode imaging.

Probes to be provided:

Convex probe with wide band of 3-6 MHz and 70 deg field of view and 3 selectable fundamental frequency and 2 selectable THI frequency. 2 CDI frequency for radiology and OBSGYN application

TV probe with wide band of 5-8 MHz and 140 deg field of view, 3 selectable fundamental frequency and 2 selectable THI freqency, 2 CDI frequency for peripheral vascular application

Convex volume probe for 3D/4D imaging

Linear probe with wide band of 6-10 MHz radious of 35mm length and 3 selectable fundamental frequncy, 2 selectable THI frequency, 2CDI frequency for peripheral vascular application

Phased array sector probe with wide band of 2-3.75MHz 90 deg field of view and 3 selectable fundamental frequency, 2 selectable THI frequency , 2CDI frequency for adult cardiology

Biopsy attachment for the convex and TVS probes

Image storage and documentation facility:

System should have 15000 still image storage

10000 cine image storage which includes M/D cine storage and review

Printer should be directly interfaced with system

Facility to store images on DVD/CD-R drive

Inbuilt flash drive facility to transfer images

Inbuilt hard disk minimum storage capacity 180GB

Colour laser printer with CE mark minimum DPI 1200

Local accessories:

Suitable UPS with capacity for half an hour back up to support all functions of the equipment to be provided with the system

Patient couch

Standard and safety:

Should be CE approved product

Guarentee/AMC

Guarentee for 5 years of complete system including all transducers and all other parts

AMC rates of 5 years after expiry of guarentee period with parts and without parts. Details and rate of the parts must be quoted along with the bid

Spare parts and consumable parts should be availabe for 10 years

Other terms:

Operation manual

Hard copy

Soft copy

20 free software upgrades during the period of warranty/ AMC

Item No 53
VACUUM EXTRACTOR

1. Machine should be easy to handle, noiseless suction unit, light weight and portable having fast vaccum build up.

2. It should have double releasing pressure system and self lubricating piston or cylinder

3. It should be standing unit or trolley based suction machine with vaccum extractor attachment

4. It should be able to provide moderate to high vaccum and flow rate. The maximum suction pressure setting should be of at least 600-700mm Hg and should also allow lower vaccum levels.The pressure once built up should be retainable

5. The aspirator should be capable of reaching a vaccum level of 300 mm Hg in 4 seconds or less.

6. There should be a vacuum gauges and vaccum limiting devices (regulator). The vaccum gauge should be accurate and easy to read. The vaccum should have selection option for absorption procedures.

7. There should be mechanical overflow protection system. The suction bottles should have one way float valve to prevent backflow. It should be adjustable to use large (3L) or small(1.5L) bottle capacity, detachable for cleaning and sterilizing.

8. Set of soft , high 100% silicon cups- 40,50 & 60mm (two each)

9. Set of bird cups, stainless steel- 40, 50 & 60mm (two each)

10. The handle and wall assemblies should be manufactured of chrome plated brass and could be replaced. The shafts should have moulded ridges for firm grip.

11. The suction tube should be autoclavable with lock joint and of sufficient length to attach to suction bottle.

12. Should be provided with battery backup (integrated battery charger preferred to separate units). Fully charged batteries should power the unit at maximum pressure for at least 30minute. It should have both audible and visual warning to alert user regarding near depletion battery levels.

13. Preferable option for foot operation for generating pressure.

14. Accessories like patient tubes. Canister, foot switch to be supplied.

Item No 54

VAGINAL HYSTERECTOMY	**Qty**
B.P.Handle No.3	1
B.P.Handle No.4	1
Diss. Forceps Plain 20cm	1
Diss. Forceps tooth 16cm	1
Diss. Forceps Tooth 20cm	1
Artery Forceps St.16cm	6
Artery Forceps Curved.16cm	5
Artery Forceps Mosquito curved	5
Artery Forceps Mosquito St.	2
Haeney's Clamp	6
Volsellum Forceps Curved	1
Allis Forceps 20cm	6
Allis Forceps 16cm	6
Babcock Forceps 20cm	1
Artery Forceps Long Curved 23cm	2
Kochers Clamp curved.	4
Hysterectomy Clamp 23cm	6
Needle Holder 16cm curved	2
Needle Holder 16cm st	2
Scissors Mayo St. 18cm	1
Scissor Mayo Curved 17cm	1
Scissor Mayo Curved 18cm	1
Scissor Matzenbaum curved 18cm	1
Sponge Holder 10" St.	4
Auvards Vaginal Speculam Blade	1
Anterior Vaginal Wall Retractor	2
Jackson Retractor	2
Towel Clip	6
S S Bowls 10 cm	2
S S Kidney tray 12cm	1
SS tray without cover	1
Bladder sound	1
Bladder catheter metal	1

Item No 55

EXAMINATION LAMP WALL MOUNTED 50000LUX

Operating lamp, on mobile stand. 4 halogen bulbs, each of 40 Watt, producing a total intensity of 50,000 lux of cold light.

- Color temperature 4300 K
- Height of stand 190 cm
- Horizontal turning range 360 degree
- Variable setting of lamp head: 132-265 cm
- Diameter of lamp head: 47 cm
- Mains voltage 240 V, 50 Hz
- With five high quality castors, 2 of them lockable and balance.

Item No 56

GROSSING TABLE WITH AIRDOWN DRAFT SYSTEMS

Working area appx 6x3x3 feet. (Large surface)
Contaminated air and formalin vapour from worktable sucked out by built in high efficiency blowers
Adjustable leveling screw.
Stainless steel Body of 304 as GMP std.
Seamlessly welded basin of approx more than (400x350x150 mm)
Built in U.V. germicidal light
Stable perforated stainless steel (appx 304) working plate.
Formaline dispensing tank with sieve
Polyethylene make cutting table board.
Hot-cold mixer tap
Lighting system
Storage space/drawer over the table with sliding doors, Tissue Paper holder & waste bin.

Item No 57

MEDICAL WASTE STERILIZER

Rectangular Shape
High grade stainless steel 304/316 or above
Ball piston type of valves, self cleaning arrangement and pneumatically operated.
Free standing type
Horizontally sliding doors with safety divece
LCD display of main cycle phases and actual parameters while in cycle progress
Easy to use and programmable control system
Printer for documentation alongwith microprocessor
Cycle failure / cause of uncompleted cycle should be indicated
PC (advanced) windows based software for monitoring, logging + control.
Temp. and pressure recorder.

Item No 58
THERMAL ENDOMETRIAL ABLATION UNIT

It should be used for uterine ballon ablation therapy
Therapy cycle should be pre-programmed between 6-10 mts
The ballon catheter should be calibrated before the procedure
The ballon catheter should have heating electrode
It should have pre-programmed control unit.

Item No 59
AIRABRASION SYSTEM

(a) Prep Start – Air Abrasion Unit
It should work on compressed air, air flow and Sand should be separately adjustable, air pressure should be seen on the machine for precise work, should have a crisp on/off control, should have adjustable pressure and powder flow, Weight: 2Kg, Dimensions

Kit contents: -
1 Unit , 2 Handpieces, 1 Tip of .015", 1 Tip of .019", 1 pack of 27 Micron Aluminum Oxide, 1 pack of 50 Micron Aluminum Oxide, Technique Manual and Instructions, foot Pedal.

(b) H2O Accessory
This Accessory should be able to convert Air Abrasion into Hydro Abrasion. It should be detachable and attachable to the Air Abrasion Unit; it should be possible to use air abrasion only with air or air abrasion with water accessory. Aluminum Oxide and Wa

Kit contents: -
H2O Top Cover, 1 Handpiece with .019" Nozzle, all water and air tubing's and connections, instruction manual.

Item No 60
APEX LOCATOR

The Apex Locator should be based on ratio method
It should not require any calibration
It should have audible signals with adjustable volume to measure the working length of root canals.

Item No 61
AUTOMATIC DEVELOPER

Fully automatic X-ray developer for automatically developing, fixing, washing and drying of intraoral X-ray films.6 to 8 films simultaneously.
Open room operation; reliable and easy to use.
Professional menu driven operation at the press of a button.

Film sizes- All intraoral films including occlusal film.

Comprehensive range of accessories such as daylight and darkroom loading attachments, a regeneration unit and a collector tank as well as X-ray chemicals and cleaning sets.

Voltage 230 V

Frequency 50 Hz

Total output 400 W

Current 1-8A

Duty rating 100%

Process time - 2.5 mins approx (wet-endodontic)

5 mins approx (dry)

Item No 62

BLEACHING UNIT

Ergonomic arc design, fitting the widest scope of illuminating. Proper and direct focus of illuminating light on teeth with distance guide. Full mouth whitening.

Blue LED light sources with high output.

Cool light causing no heat to patients.

No fan cooler, no noise.

Digital LCD display for overall understanding of processing. 10 preset programs with 6 adjustable settings of output.

Multiple settings of timing and power according to various requests of whitening treatment.

Overall full mouth whitening in just one cycle of 15 minutes.

Screwdriver-free design of arm allowing setting proper arm position by just pulling and dragging by hands.

At least 10,000 hours of using life for LED.

Item No 63

BONE CUTTING MACHINE

Saw with S.S. Table

Fitted with the large moving table and extension table operated on four ball-bearing rollers

Size of cutting table - 780 x 588 mm approx.

Total Table Travel - 1245 mm

Extension Table -450 x 760 mm

Height -1700 mm approx.

Motor Capacity - 1 HP

The Table is made of thick stainless steel with heavy axles Supplied with one blade, starter, cord & plug.

Suitable to work on 220 V, single phase, 50 Hz, AC supply.

Size of the wheel: 455mm approximately.

Item No 64
EXTRA ORAL TRACER

· Gothic arc tracers.
· Upper, lower caliper with 2 plates and the screws to record centric jaw relations.

Preferably imported/indigenous

Item No 65
ORTHODOTIC PLIERS

Distal end cutter with safety hold

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral cutting with lip safety, safety hold the loose distal end of wire, cut wire upto .022X.028 inches, tips made of very hard steel/alloy/carbide resistant to indentation

Heavy wire cutter

Standard size made of autoclavable stainless steel, rust free, cut wire upto .045 inches (1.14 mm), tips made of very hard steel/alloy/carbide resistant to indentation

Ligature cutter

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral cutting with lip safety, cut wire upto .020 inches, tips made of very hard steel/alloy/carbide resistant to indentation

Tweed Loop forming plier

Standard size made of autoclavable stainless steel, rust free, round beak should have at least two sections of .047 and .059 inches, tips made of very hard steel/alloy/carbide resistant to indentation

How plier Straight

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, tips should be serrated with hard carbide coating, tips made of very hard steel/alloy/carbide resistant to indentation, preferably box joint

Weingart plier

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, tips serrated, tips made of very hard steel/alloy/carbide resistant to indentation

Light wire plier

Standard size made of autoclavable stainless steel, rust free, for working light round wire upto .016inches, tips made of very hard steel/alloy/carbide resistant to indentation

Wire bending plier (Bird Beak type)

Standard size made of autoclavable stainless steel, rust free, cone and pyramid shaped tips, round beak should be precision upto 1.00mm,tips made of very hard steel/alloy/carbide resistant to indentation, box joint preferably

Nance Loop closing plier

Standard size made of autoclavable stainless steel, rust free, four step loop forming beaks, tips made of very hard steel/alloy/carbide resistant to indentation, box joint preferably

Rectangular Arch forming plier

Standard size made of autoclavable stainless steel, rust free, for bending, holding or torquing wires, for wire upto .022X.028 inches, tips made of very hard steel/alloy/carbide resistant to indentation

Torquing pliers

Set of two or with key, Standard size made of autoclavable stainless steel, rust free, tips made of very hard steel/alloy/carbide resistant to indentation

Aderer three prong plier

Standard size made of autoclavable stainless steel, rust free, for rounded or dimensional wire upto .040 inches, tips made of very hard steel/alloy/carbide resistant to indentation, box joint preferably

Arch contouring plier

Standard size made of autoclavable stainless steel, rust free, tips made of very hard steel/alloy/carbide resistant to indentation

Ligature wire forming plier

Standard size made of autoclavable stainless steel, rust free, forms 5mm loops from ligature wire upto .014 inches, tips made of very hard steel/alloy/carbide resistant to indentation

Ligature tying plier(Mathieu type Needle holder)

Standard size made of autoclavable stainless steel, rust free, ratchet lock handle, serrated tips with carbide coating, free sliding inner spring for opening when lock is released, size 12 cm-13.5cm, tips made of very hard steel/alloy/carbide resistant t

Band removing plier

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, long chisel tip with carbide insert, with replacable nylon pads, tips made of very hard steel/alloy/carbide resistant to indentation

Bracket debonding pllier

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, tips made of very hard steel/alloy/carbide resistant to indentation

Johnson Band contouring plier

Standard size made of autoclavable stainless steel, rust free, concave and convex tips fro contouring band, tips made of very hard steel/alloy/carbide resistant to indentation, box joint preferrably

Separator Placing plier

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, with easy spring back action,tips made of very hard steel/alloy/carbide resistant to indentation

Set of Band pinching plier(Right & Left)

Set of two (Right and Left) Standard size made of autoclavable stainless steel, rust free, to be used for intraoral with lip safety, tips made of very hard steel/alloy/carbide resistant to indentation

Adam plier with two smooth rectangular tips

Standard size made of autoclavable stainless steel, rust free, tips made of very hard steel/alloy/carbide resistant to indentation

Universal plier

Standard size made of autoclavable stainless steel, rust free, tips made of very hard steel/alloy/carbide resistant to indentation

Other Orthodontic items

Band cutting scissor

Standard size made of autoclavable stainless steel, rust free, curved tips with carbide insert for smooth cutting of molar band material, tips made of very hard steel/alloy/carbide resistant to indentation Curved

Molar Band seater

Plastic handle with stainless steel barrel and tempered steel removable tip

Bracket positioner (Booon Gauge)

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral marking, with marking of 3.5, 4, 4.5 and 5mm

Dontrix Gauge

Used intraorally for measuring the quantity of force atleast upto 14 ounces..

Bracket holding tweezer

Standard size made of autoclavable stainless steel, rust free, to be used intraorally, tips made of very hard steel/alloy/carbide resistant to indentation

Mershon band pusher

Standard size made of autoclavable stainless steel, rust free, to be used for intraoral, serrated tip end, tips made of very hard steel/alloy/carbide resistant to indentation

Torqueing Turret

Capable of torquing wire upto .022X.028 inches dimension, torquing range upto 16 degree or more.

Soldering torch

For orthodontic attachment soldering purpose

Plier stand

Standard size made of autoclavable, stainless steel, rust free.

Photographic Metalic Occlusal mirror

Set of Three, should be antifog and scratch free

Separating strip placer

Made of autoclavable stainless steel, rust free, to be used for interdental stripping

LED curing light

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

   a) After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer/Indian Agent. Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply.

   b) The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

3. Training:

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

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

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

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

5. Turnkey:

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

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

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

Section – VIII

Quality Control Requirements

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

Tender Reference No.
Date of opening
Time
Name and address of the Tenderer:

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

01 Name of the manufacturer
   a. full postal address
   b. full address of the premises
   c. Email ID
   d. telephone number
   e. fax number

02 Plant and machinery details

03 Manufacturing process details

04 Monthly (single shift) production capacity of goods quoted for
   a. normal
   b. maximum

05 Total annual turn-over (value in Rupees)

06 Quality control arrangement details
   a. for incoming materials and bought-out components
   b. for process control
   c. for final product evaluation

07 Test certificate held
   a. type test
   b. BIS/ISO certification
   c. any other

08 Details of staff
   a. technical
   b. skilled
   c. unskilled

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

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

Note:

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

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

2. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.

3. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

4. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No.: _____

Date & Time of opening: _____

Name and address of the Tenderer: _____

Name and address of the manufacturer: _____

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

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

Ref. Your TE document No. _____dated _____

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

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5										
				Price per unit (Currency)									Unit price on DDP basis at consignee's site	
Item Sl. No.	Brief Description of Goods (with make & model)	Country of Origin	Quantity (Nos.)	Gross FOB price at sea/air port of Lading (inclusive of Agency Commission)	Amount and percentage of Agency Commission **	Net FOB (excluding Agency Commission) (a-b)	Insurance & Freight	Net CIP by Air/ Sea at the port of entry (c+d)	Custom Duty amount as % of Net CIP (amount with CDEC as applicable) **	Custom Clearance & Handling Charges **	Loading/ Unloading, inland transportation, insurance as per Clause 11 of GCC & incidental cost till consignee's site **	Installation commissioning , supervision. Demonstration & training at the consignee's site **	In foreign currency	In Indian Rupees
				(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	=(e)	=(b+f+g+h+i)

** to be quoted in Indian Currency

Total price at Consignee's site

(A) In foreign currency : column (4 x e)_____ (In figures and words) plus

** (B) In Indian Rupees : column 4 x (b+f+g+h+i) Rs_____(In figures and words)

Note: -

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

Name_____

Business address_____

Place:_____

Signature of Tenderer_____

Date:_____

Seal of Tenderer_____

C) PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

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

*** After completion of Warranty period**

NOTE:-

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name_____

Business Address_____

Place: _____ Signature of Tenderer_____

Date: _____ Seal of the Tenderer_____

SECTION – XII
QUESTIONNAIRE

Fill up the Section XX – Check List for Tenderers and enclose with the Tender

1. The tenderer should furnish specific answers (alongwith mention of relevant page nos. of tender) to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark "not applicable"

2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

To,

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

Dear Sir,

Ref. Your TE document No _____, dated _____

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

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

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also confirm that the price quoted by our agent shall not exceed than that which we would have quoted directly.

Yours faithfully,

[*Signature with date, name and designation*]
for and on behalf of Messrs_____

[*Name & address of the manufacturers*]

Note: 1. This letter of authorisation should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
2. Original letter may be sent.

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
Head of Hospital/Institute/Medical College of ESIC

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;
AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. _____ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid till 2 (two) months beyond the warranty period, i.e up to ---------- (indicate date)

……
(Signature with date of the authorised officer of the Bank)
……
Name and designation of the officer
……
……
Seal, name & address of the Bank and address of the Branch

SECTION – XVI
CONTRACT FORM - A

CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS

(Address of the Purchaser's/Consignee's
office issuing the contract)

Contract No_____ dated_____

This is in continuation to this office's Notification of Award No_____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No_____ dated_____ and subsequent Amendment No_____, dated_____ (if any), issued by the purchaser
3. Supplier's Tender No_____ dated_____ and subsequent communication(s) No_____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

    i. General Conditions of Contract;
    ii. Special Conditions of Contract;
    iii. List of Requirements;
    iv. Technical Specifications;
    v. Quality Control Requirements;
    vi. Tender Form furnished by the supplier;
    vii. Price Schedule(s) furnished by the supplier in its tender;
    viii. Manufacturers' Authorisation Form (if applicable for this tender);
    ix. Purchaser's Notification of Award

    Note : The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

    (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Item Sl. No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

(ii) Delivery schedule
(iii) Details of Performance Security
(iv) Quality Control
  (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
  (b) Designation and address of purchaser's inspecting officer
(v) Destination and despatch instructions
(vi) Consignee, including port consignee, if any
(vii) Warranty clause
(viii) Payment terms
(ix) Paying authority

_____
(Signature, name and address of the
Purchaser's/Consignee's authorised official)
For and on behalf of_____

Received and accepted this contract

(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR COMPREHENSIVE MAINTENANCE CONTRACT

Comprehensive Maintenance Contract No._____dated_____
Between

(Address of Head of Hospital/Institute/Medical College)
And

(Name & Address of the Supplier)

Ref: Contract No_____ dated_____ (Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty of goods)

In continuation to the above referred contract

a) The Contract of Comprehensive Maintenance is hereby concluded as under: -

1	2	3	4					5
Item Sl. No.	BRIEF DESCRIPTION OF GOODS	Quantity (Nos.)	Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years [3 x (4a+4b+4c+4d+4e)]
			1st	2nd	3rd	4th	5th	
			a	b	c	d	e	

Total value (in figure) _____ (In words) _____

b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from_____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)
c) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance and labour, after satisfactory completion of Warranty period may be quoted for next 5 (or as specified) years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Batteries for UPS, other vacummatic parts, _____ & _____) and Turnkey (if any).
d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
f) All software updates should be provided free of cost during CMC.
g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

Section XV of the TE document, along with the signed copy of CMC within a period of 21 (twenty one) days of issue of CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

h) If there is any lapse in the performance of the CMC as per contract, the proceeds CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.

i) **Payment terms:** The payment of CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

j) **Paying authority:** _____ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

_____

(Signature, name and address of
Hospital/Institute/Medical College's authorised official)
For and on behalf of_____

Received and accepted this contract

(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

SECTION – XVII

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The following store (s) has/have been received on said to contain basis in good condition:

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) No of cartons received which are said:

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

:_____

6) Date of Receipt by the Consignee :_____

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

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

9) Seal of the Consignee :_____

SECTION – XVIII
Final Acceptance Certificate by the Consignee

No _____ Date_____

To
M/s_____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity:_____

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

(f) Name of the vessel/ Transporter: _____

(g) Name of the Consignee: _____

(h) Date of commissioning and proving test: _____

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

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

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

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

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

Signature
Name:
Designation with stamp

Explanatory notes for filling up the certificate:

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

SECTION – XIX

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

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

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

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

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

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

3. ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

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

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

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

4. SHIPMENT FROM POLAND & CZECHOSLOVAKIA

   (i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.
Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

5. SHIPMENT FROM U.S.S.R

Shipment under this contract should be made in accordance with the agreement between the Government of the Republic of India and the Government of U.S.S.R on Merchant Shipping 1976, as amended up-to-date, by vessels of Indo-Soviet shipping Service.

6. SHIPMENT FROM JAPAN

The shipment of goods should be made of India vessels to the maximum extent possible subject to the minimum of 50%.

The Seller should arrange shipment of the goods in consultation with the Embassy of India in Japan, Tokyo to whom details regarding contract number, nature of cargo, quantity, port of loading/discharge, name of Govt. consignee, expected date of readiness of each consignment etc. should be furnished at least six weeks in advance of the required position.

Note: The copies of such contracts are to be endorsed both to the Attached (commercial) embassy of India in Japan, Tokyo, and the shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi.

7. SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, EGYPY

The Seller shall arrange shipment of the goods by Indian flag vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels, the seller shall give adequate notice of not less than six weeks about the readiness of each consignment to the Shipping Purchaser of India Ltd., SHIPPING HOUSE, 245, Madame Cama Road, Bombay – 400 021 (CABLE: SHIPINDIA BOMBAY) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

8. SHIPMENT FROM PAKISTAN

The shipment of cargoes should be made by Indian vessels to the maximum extent possible subject to a minimum of 50 %.

Shipment arrangement should be made by the sellers in consultation with M/s Mogul Line Ltd., 16-Bank Street, Fort, Bombay – 400023 (Cable: MOGUL BOMBAY: Telex: 011 – 4049 MOGUL), to whom, details regarding contract number, nature of cargo, quantity, port of lading discharging, name of government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

9. SHIPMENT FROM U.S ATLANTIC & GULF PORTS

The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India – Pakistan – Bangladesh – Ceylon and Burma Outward Freight Conference. If the Seller finds that the space of the 'Conference Lines' vessels is not available for any specific shipment he should take up with India – Pakistan- Bangladesh – Ceylon and Burma Outward Freight Conference, 19, Rector Street, New York, N.Y. 10006 USA, for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

10. SHIPMENT FROM ST. LAWRENCE AN EASTERN CANADIAN PORTS

The Seller should arrange shipment of the goods by vessels belonging to the following shipping lines;

1. The shipping Purchaser of India Ltd.
2. The Scindia Steam Navigation Co., Ltd

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

11. SHIPMENT FROM WEST COAST PORTS OF U.S.S CANADA AND OTHER AREAS NOT SPECIFICALLY MENTIONED ABOVE

The Seller should arrange shipment of the goods by Indian vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should furnish the details regarding contract number, nature of cargo, quantity, port of lading, discharging, name of government consignee, expected date of readiness of each consignment etc. to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) at least six weeks in advance of the required position.

B) BILLS OF LADING:

(i) C.I.F./C&F/TURNKEY SHIPMENTS

The Bills of lading should be drawn to indicate Shipper and 'Consignee' as under:

SHIPPER: The C.I.F (C&F)/TURNKEY SUPPLIERS concerned.

CONSIGNEE: As per consignee's particulars in the contract (The name an address of the 'Port Consignee' and 'Ultimate' both should be indicated).

(ii) F.O.R SHIPMENTS

The Bills of lading should be drawn indicating shipper Consignee as under:

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

1. Moreover the name of the 'Purchaser' and 'Ultimate' Consignee should appear in the body of the Bills of Lading as the 'Notify' or as a remark.
2. Two non-negotiable copies of the Bills of Lading indicating the freight amount and discount, if any allowed, should be forwarded to The Shipping Co-ordination Officer, Ministry of surface Transport (Chartering Wing), New Delhi after the shipment of each consignment is effected.
3. The seller should avoid the use of over-aged vessels for the shipment of the goods under the contract and if so used the cost of additional. Insurance, if any, shall be borne by the seller.

SECTION – XX

CHECKLIST

Name of Tenderer:

Name of Manufacturer:

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
1.	Have you enclosed EMD of required amount for the quoted schedules?			
2(a).	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
2(b).	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
3.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
4(a).	Have you enclosed duly filled Tender Form as per format in Section X?			
4(b).	Have you enclosed Power of Attorney/ Authorisation in favour of the signatory?			
5.	Have you submitted manufacturer's authorization as per Section XIV?			
6.	Have you submitted the certificate of incorporation?			
7(a).	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
7(b).	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
8.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
9.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
10.	Have you submitted the Quality Control Requirements as per Proforma given in Section VIII of TE document?			
11.	Have you accepted delivery period as per TE document?			
12.	Have you accepted the terms of delivery as per 'DDP at consignee site basis'?			
13.	Have you accepted the warranty/CMC as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you fully accepted payment terms as per TE document?			
16(a)	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
16(b)	Have you submitted Manufacturer's Proforma Invoice for the price quoted in the Price Schedule?			
17	Have you submitted satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
18.	Have you submitted copy of the order(s) against the above end user certificate (s)?			

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

N.B.

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

(Signature with date)

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

(Name, address and stamp of the tendering firm**)**

Section – XXI

Consignee addresses

Sl. No.	Consignee Code	Consignee Name & Address
1	Adityapur	Medical Superintendent ESIC Hospital Adityapur, Jamshedpur, Jharkhand-831013 Ph: 0657-2383866; Fax: 0657-2383866
2	Basai	Medical Superintendent ESI Hospital Ring Road, Basaidarapur New Delhi - 110 015 Ph: 011-25100664
3	Bhiwadi	Medical Superintendent ESIC Hospital Bhiwadi, Rajasthan
4	Chandigarh	Medical Superintendent ESIC Model Hospital Industrial Area, Phase-II Ram Darbar, Chandigarh-160002
5	Gurgaon	Medical Superintendent ESI Model Hospital Sector - 9A, Gurgaon (Haryana)
6	Jaipur	Medical Superintendent ESIC Model Hospital Lakshmi Nagar, Ajmer Road Jaipur - 302 006 Ph: 0141-2228040, 2223579
7	Joka	Medical Superintendent ESIC Hospital & Occupational Disease Centre (E.Z.) Diamond Harbour Road Joka, Kolkata - 700 104 Ph: 033-2467 1764
8	Ludhiana	Medical Superintendent, ESIC Hospital, Ludhiana, Punjab
9	Manesar	Medical Superintendent ESIC Model Hospital Manesar, Haryana

Sl. No.	Consignee Code	Consignee Name & Address
10	Noida	Directorate Medical Noida, ESIC Model Hospital Sector 24,Noida-UP
11	Rohini	Medical Superintendent ESI Hospital Sector-15, Rhohini Delhi– 110085

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