

GLOBAL 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-57/11-12



BY

HLL Lifecare Limited

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

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SECTION I

**NOTICE INVITING TENDERS (NIT)
(Global Tender Enquiry)
For the procurement of Medical Equipment
at ESI Hospital, Parippally, Kollam, Kerala**

1. Tender Enquiry No. HLL/PCD/ESIC-57/11-12**Date: 08.06.2011**

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 ESI Hospital, Parippally, Kollam, Kerala, 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 Defibrillator with Transcutaneous pacing	4	40,000
2	Fiber Optic Intubation Bronchoscope	1	13,400
3	Syringe Pump with Drug Libraary & Calculator	5	8,000
4	Anaesthesia Workstation	3	1,20,000
5	Pharmaceutical Refrigerator for O.T.	1	4,600
6	Volumetric Infusion Pump	13	25,300
7	O T Tables for Orthopaedics (motorised/electrohydraulic)	1	58,000
8	O T Tables for General Surgery & Gynaecology (motorised/electrohydraulic)	1	40,000
9	General Instruments Set	8	54,800
10	Electro Surgical Unit(with under water Cautery for TURP)	4	43,200
11	Blood Vessel Sealer	1	14,000
12	O T Table for Minor O T	1	4,800
13	Pulse Oximeter with ECG, NIBP & IBP (Multiparameter Monitor)	6	42,000
14	Surgery Instrument Set for Minor O.T.	1	5,000
15	Syringe Pump	8	10,900
16	Multipara Monitor (8)/ Neonatal Monitor (2) with central Monitoring station (1)	10 (1)	86,000
17	Portable X Ray Unit	1	6,000
18	ECG Machine	1	700
19	Portable Ventilator	1	10,000
20	BIPAP	1	4,000
21	Blood Gas Analyzer	1	14,000
22	ELISA Reader with Washer	1	10,000
23	Cell Counter(Fully automated 5 part differential analyser)	1	58,000
24	Refrigerated Centrifuge Table Top	1	6,000
25	Fully Automatic Biochemistry Analyzer-Random Access	1	60,000
26	Fully Automatic Heamatology Analyzer-Three Part	1	10,000
27	Fully Automatic ESR Analyzer	1	3,000
28	Fully Automatic Urine Analyzer	1	4,800

Sl. No.	Short Description of Item	Total Qty	EMD (Rs.)
29	Fully Automatic Electro Chemiluminiscene Machine	1	30,000
30	500 M.A. X-ray machine	1	18,000
31	Colour Doppler Digital	1	40,000
32	General Purpose Ultrasound System	1	44,000
33	Orthopaedic Surgery Instrument Set	1	1,40,000
34	Battery Operated Drill & Saw System	1	47,300
35	Arthroscope Set	1	1,25,500
36	Plaster cutter with Aspirator	2	27,500
37	C Arm Image Intensifier	1	33,600
38	Tourniquet Electronic	1	15,000
39	Instrument Sets for Gynaecology	1	12,000
40	Gynaec Surgery Laparoscopy High Definition Endovision System	1	72,000
41	Gynaec Surgery Laparoscopy Instruments		22,000
42	Hysteroscope System	1	28,000
43	Vacuum Extractor	1	9,000
44	Fetal Monitor	2	10,000
45	Portable Ultrasound B & W	1	14,000
46	Auto – Kerato Refractometer	1	9,000
47	Slit Lamp	1	32,000
48	Streak Retinoscope	1	2,000
49	Surgical Instruments Sets for Cataract Surgery	3	9,000
50	Binocular Operating Microscope	1	40,000
51	Flash Autoclave	1	3,000
52	Digital Acuity System	1	2,000
53	LED Digital Binocular Indirect Ophthalmoscope	1	8,000
54	Visual Field Analyser	1	8,000
55	A-Scan	1	5,000
56	Non Contact Tonometer	1	2,500
57	Emergency Resuscitation Kit-Adult(imported)	2	22,000
58	General Surgery Laparoscopy Instruments	1	20,000
59	General Surgery Instrument Set	1	7,000
60	ECG machine 12 channel	2	8,000
61	Biphasic Defibrillator	2	12,000
62	Pulse Oximeter	6	5,200

2. Tender No.: HLL/PCD/ESIC-57/11-12

Sl No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	10.06.2011 to 25.07.2011, in all working days, during 10:00am to 16:00pm
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	24.06.2011, 1100 Hrs IST

Sl No.	Description	Schedule
v.	Closing date & time for receipt of Tender	26.07.2011, 1400 Hrs IST
vi.	Time and date of opening of Techno-Commercial tenders	26.07.2011, 1430 Hrs 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 Division
B-14A, Sector -62, Noida -201307.
Uttar Pradesh.

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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) Techno – Commercial Tender (Un priced Tender)

- 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-availability 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 can not be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14A, Sector -62, Noida - 201307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.
- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

- 24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.
- 24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING**25. Opening of Tenders**

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS**26. Basic Principle**

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

27. Preliminary Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 Deleted.
- 27.3 Deleted
- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive and will be summarily ignored;
- (i) Tender form as per Section X (signed and stamped) not enclosed
 - (ii) Tender is unsigned.
 - (iii) Tender validity is shorter than the required period.
 - (iv) Required EMD have not been provided.
 - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation as per Format given in Section XIV.
 - (vi) Tenderer has not agreed to give the required performance security.
 - (vii) Goods offered are not meeting the tender enquiry specification.
 - (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, DDP clause, Delivery period clause, dispute resolution mechanism applicable law.
 - (ix) Poor/ unsatisfactory past performance.
 - (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
 - (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
 - (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements for the quoted item (s).

28. Deleted

29 Discrepancies in Prices

- 29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Deleted

34. Comparison of Tenders

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

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

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

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

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

35.3 Deleted

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for

forfeiture of its EMD and, also, for further actions by the Purchaser/Consignee against it as per the clause 24 of GCC – Termination of default.

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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

SECTION - IV**GENERAL CONDITIONS OF CONTRACT (GCC)****TABLE OF CLAUSES**

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GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

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

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

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

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

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

- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the 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 transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.
- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.
- 7.3 Packing instructions:

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

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

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

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

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

10. Transportation of Goods**10.1** Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or transshipment 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, Defibrillator internal paddles, chart recorders, ventilator reusable patient circuits, servo humidifier with chamber, electrodes and probes for blood gas analyser, MRI coils.
 - vii. All kinds of flat panel sensors and cassettes for Digital Radiography & Computer Radiography systems and patients handling trolleys, etc.
 - viii. Printers and imagers including laser and thermal printers with all parts.
 - ix. UPS including the replacement of Batteries.
 - x. Air-conditioners
- c. Replacement and repair will be under taken for the defective goods.

- d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the **warranty for the rectified/replaced goods shall be extended to a further period as mentioned under clause 15.2** from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into **Annual Comprehensive Maintenance Contract** between Consignee and the Supplier for the period as mentioned in General Points for Technical Specifications, **Section VII (para-4)**, after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for **10 years** from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.
- 16. Assignment**
- 16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.
- 17. Sub Contracts**
- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").
- 18. Modification of contract**
- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,

- b) Mode of packing,
- c) Incidental services to be provided by the supplier
- d) Mode of despatch,
- e) Place of delivery, and
- f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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

b) On Acceptance:

Balance 10 % payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either

on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

B) Payment for Imported Goods:

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

a) On delivery:

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

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

b) On Acceptance:

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

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

d) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

Turnkey payment will be made to the manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and

shall not be subject to further escalation / exchange variation. Payment shall be made to the Indian Agent after 100 % payment to the Foreign Principal.

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

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

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Irrevocable & non-transferable LC shall be opened by ESIC/ Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/ consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the purchaser.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
 - (b) Delay in supplies, if any, has been regularized.
 - (c) The contract price where it is subject to variation has been finalized.
 - (d) The supplier furnishes the following undertakings:

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

22. Delay in the supplier's performance

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

- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
 - (ii) forfeiture of its performance security and
 - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia 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**
- 23.1 Subject to GCC clause 26, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall,

without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24.

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

24. Termination for default

- 24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.
- 24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.
- 24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

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

26. Force Majeure

- 26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.
- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

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

27. Termination for convenience

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

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

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

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

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

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

31. Applicable Law

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

32. General/ Miscellaneous Clauses

- 32.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 32.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 32.3 The Supplier shall notify the Purchaser/Consignee of any material change would impact on performance of its obligations under this Contract.
- 32.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 32.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 32.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 32.7 All claims regarding indemnity shall survive the termination or expiry of the contract

SECTION – V**SPECIAL CONDITIONS OF CONTRACT (SCC)**

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

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

For GCC Clause No. 15.8:

After completion of Warranty period Annual Comprehensive Maintenance Contract (CMC) to be quoted as mentioned in General Technical specifications Section VII (Para-4) for all the items except for Item Sl. No. 9, 14, 33, 39, 49 &59.

SECTION - VI

LIST OF REQUIREMENTS

Part I:

Sl. No.	Short Description of Item	Total Qty	EMD (Rs.)
1	Biphasic Defibrillator with Transcutaneous pacing	4	40,000
2	Fiber Optic Intubation Bronchoscope	1	13,400
3	Syringe Pump with Drug Library & Calculator	5	8,000
4	Anaesthesia Workstation	3	1,20,000
5	Pharmaceutical Refrigerator for O.T.	1	4,600
6	Volumetric Infusion Pump	13	25,300
7	O T Tables for Orthopaedics (motorised/electrohydraulic)	1	58,000
8	O T Tables for General Surgery & Gynaecology (motorised/electrohydraulic)	1	40,000
9	General Instruments Set	8	54,800
10	Electro Surgical Unit(with under water Cautery for TURP)	4	43,200
11	Blood Vessel Sealer	1	14,000
12	O T Table for Minor O T	1	4,800
13	Pulse Oximeter with ECG, NIBP & IBP (Multiparameter Monitor)	6	42,000
14	Surgery Instrument Set for Minor O.T.	1	5,000
15	Syringe Pump	8	10,900
16	Multipara Monitor (8)/ Neonatal Monitor (2) with central Monitoring station (1)	10 (1)	86,000
17	Portable X Ray Unit	1	6,000
18	ECG Machine	1	700
19	Portable Ventilator	1	10,000
20	BIPAP	1	4,000
21	Blood Gas Analyzer	1	14,000
22	ELISA Reader with Washer	1	10,000
23	Cell Counter(Fully automated 5 part differential analyser)	1	58,000
24	Refrigerated Centrifuge Table Top	1	6,000
25	Fully Automatic Biochemistry Analyzer-Random Access	1	60,000
26	Fully Automatic Hematology Analyzer-Three Part	1	10,000
27	Fully Automatic ESR Analyzer	1	3,000
28	Fully Automatic Urine Analyzer	1	4,800
29	Fully Automatic Electro Chemiluminiscence Machine	1	30,000
30	500 M.A. X-ray machine	1	18,000
31	Colour Doppler Digital	1	40,000
32	General Purpose Ultrasound System	1	44,000
33	Orthopaedic Surgery Instrument Set	1	1,40,000
34	Battery Operated Drill & Saw System	1	47,300
35	Arthroscope Set	1	1,25,500
36	Plaster cutter with Aspirator	2	27,500

Sl. No.	Short Description of Item	Total Qty	EMD (Rs.)
37	C Arm Image Intensifier	1	33,600
38	Tourniquet Electronic	1	15,000
39	Instrument Sets for Gynaecology	1	12,000
40	Gynaec Surgery Laparoscopy High Definition Endovision System	1	72,000
41	Gynaec Surgery Laparoscopy Instruments		22,000
42	Hysteroscope System	1	28,000
43	Vacuum Extractor	1	9,000
44	Fetal Monitor	2	10,000
45	Portable Ultrasound B & W	1	14,000
46	Auto – Kerato Refractometer	1	9,000
47	Slit Lamp	1	32,000
48	Streak Retinoscope	1	2,000
49	Surgical Instruments Sets for Cataract Surgery	3	9,000
50	Binocular Operating Microscope	1	40,000
51	Flash Autoclave	1	3,000
52	Digital Acuity System	1	2,000
53	LED Digital Binocular Indirect Ophthalmoscope	1	8,000
54	Visual Field Analyser	1	8,000
55	A-Scan	1	5,000
56	Non Contact Tonometer	1	2,500
57	Emergency Resuscitation Kit-Adult(imported)	2	22,000
58	General Surgery Laparoscopy Instruments	1	20,000
59	General Surgery Instrument Set	1	7,000
60	ECG machine 12 channel	2	8,000
61	Biphasic Defibrilator	2	12,000
62	Pulse Oximeter	6	5,200

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

Within **60 days** from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

b) For Imported goods directly from abroad:

Within **90 days** from date of opening of L/C. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:**Required Terms of Delivery and Destination.****a) For Indigenous goods or for imported goods if supplied from India:**

Delivery required at Consignee Site.

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

b) For Imported goods directly from abroad:

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

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

Insurance (local transportation and storage) would be extended and borne by the Supplier from warehouse 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 Defibrillator with Transcutaneous pacing

- Defibrillator should be Bi- Phasic, light weight and latest model
- Should monitor vital parameters and display them
- Should print the ECG on thermal recorders.
- Should work on Manual and Automated external defibrillation (AED) mode. Manual selection up to 200 J.
- Should be capable of doing synchronized & asynchronized cardio version
- Can be operated from mains as well as battery
- Should have defibrillator testing facility
- Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to arrest all arrhythmia within a maximum energy of 200 Joules
- Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles.
- Should have ability to filter out CPR artifacts and allowing person to see organized rhythms without interrupting chest compression
- Should have the external transcutaneous pacing with 40 milli-second pulse width.
- Should have a ability to see actual heart rate without interrupting pacing by pressing a 4:1 button.
- Should display CPR Feedback in real time by measuring chest compression rate and depth in real time with both visual and audible feedback.
- Should have charging time of less than 7 seconds for maximum energy
- Should have bright color display for viewing messages and ECG waveform
- Should be capable of printing Reports on Event summary, configuration, self test.
- Should have facility for self test/check before usage and set up function
- Should have user friendly color coded operation.
- Should be US FDA approved.

Item no:2

Fiber Optic Intubation Bronchoscope

- **Bronchoscope should have:**
- Field of view: 120deg.
- Depth of field: 3-50mm
- Tip deflection up/down: 180/130deg.
- Distal diameter: 4.9 mm
- Insertion tube diameter: 4.8mm
- Diameter of working channel: 2.2mm
- Insertion tube working length : 600mm
- Total length: 900mm
- Sharp, smooth image

- Ergonomic control section
- Easy insertion and excellent maneuverability
- Compatible to electrosurgical treatment
- **Light Source should have:**
- Compatible light source (Halogen) with fiber-optic cable & back-up lamp
- **Standard Accessories like :**
- Foreign Body Retriever Forceps
- Tempo-nation Balloons
- Magnet Forceps
- Biopsy Forceps

Item no:3

Syringe Pump with Drug Library & Calculator

- **Flow Rate**
- 5 ml: 0.1 to 100.0 ml/h, 0.1 ml/h increment
- 10 ml: 0.1 to 200.0 ml/h, 0.1 ml/h increment
- 20 ml: 0.1 to 400.0 ml/h, 0.1 ml/h increment
- 50/60 ml: 0.1 ml to 900 ml/h, 0.1 ml/h increment
- Should Adopt Syringes various brands from 5, to 50/60 ml,
- Time Limit from 1 min. to 99 hours and 59 min.
- Max Volume - 9999.9 ml
- Should Have Drug Library
- **Programming**
- Wt.x Concentration x Dose for calculation
- ml/h x volume limit
- Time x Volume limit
- **Alarms** - Visual and Audible
- Block Error, Programming Error, KVO Rate, Occlusion, Low Battery,
- Syringe Error, Stand by, completion of infusion
- Programmable Bolus from minimum 0.1 ml to corresponding flow rate of the syringe
- Clear display screen Monochrome LCD or LED
- Battery Life approx 10 hrs, rechargeable
- **Additional Functions**
- KVO adjustment, Memory of the last infusion used, occlusion
- adjustment, adjustment of sound level, Titration facility
- Pressure settings from 30 to 80 kPa
- Deviation - +/- 1%
- The unit should have GMP certification, ISO 134585, CE

Item no: 4

Anaesthesia Workstation

Technical specifications for Advanced Anesthesia Workstation

- **Description of function:**

- Anaesthesia machine is used for delivering anesthesia agents to the patients during surgery and monitors the vital signs and ventilates the patient.
- **Technical specifications:**
- **Frame:**
- Anesthesia system should be high end three gas system with three gas Oxygen, Nitrous Oxide and Medical Air double scale flowmeter with high and low flow and minimal flow provisions. System should be designed such that all components are integrated to minimise dead space.
- Should have an independent Oxygen flow meter for Oxygen delivery and an integrated variable flow suction unit.
- Anaesthesia machine should have high grade reinforced fibre frame free from oxidation. It should have three drawers, one retractable writing table, and rigid top tray.
- System should have at least three drawers and an additional writing surface that can be easily accessed.
- Drawers shall all have the ability to lock , and shall be easily removed for the purposes of cleaning and sterilisation.
- Pipeline, cylinder and Airway pressures should all be displayed on colour coded gauges and be visible at all times during operation.
- Should have provision to attach 2 cylinders 1 each for O₂ and N₂O.
- Should have facility of delivering basal flow of oxygen on switching on the machine.
- System should have a second user accessible port for extraction of Anesthetic gas when using a nonbreathing patient circuit. System should also provide the option of returning sample gas to the scavenging system with a dedicated port.
- A single pneumatic/electric on/off switch should activate the gas flow and vaporization.
- The unit should have a battery back up facility for the ventilator in the event of power loss and should operate for a minimum of one hour.
- In the event of complete power loss and battery failure it shall still be possible to manually ventilate and deliver anaesthetic agent.
- System should have easily accessible common gas outlet in the event of an emergency and for use of alternate breathing circuits.
- Should have unlockable Oxygen flush to deliver oxygen flow of approximately 40l/min.
- Should have built in safety features like O₂ failure alarm, N₂O cutoff, Low O₂ pressure etc.,
- Should have motion sensitive back lighting for vaporizer dial adjustment. Should also have mandatory illumination of the writing table.
- The frame should have integrated power outlets to supply a minimum of four external devices.
- Should have locking of the front castors by a single central brake mechanism.
- System should be designed to mounted on pendants.
- **Gas Flow**
- The unit shall have a mechanical hypoxic guard system to control the ratio of Oxygen and Nitrous oxide to ensure a minimum of 25% of oxygen delivery at all times to avoid delivery of hypoxic mixture.
- It shall be possible to deliver Air with only basal flow oxygen independent of the above mentioned hypoxic control.
- Gas flow shall be controlled mechanically to avoid errors during power failure and electronic malfunction.
- Visual display of the gas flow shall be by physical means independent of electrical power.
- Cascade or dual flow tubes should be available for all gases to allow suitable resolution and accurate control at low total fresh gas flows.
- Flow meters should have backlight and antiglare illumination.
- The unit should have an independent measurement and display of fresh gas flow offering safety for low and minimal flow anaesthesia.

- A bag arm with height and positional adjustment shall be available as an option.
- **Vaporizers**
- The unit should accommodate two vaporizers for anesthetic agent delivery to allow easy selection of agent to be used. A third vaporiser storage area shall be available as an option.
- Vaporiser should be selectatec type, tool free installation and vaporiser of our choice can be mounted at will with interlocking facility to allow operation of only one vaporiser at one time.
- Vaporizers supplied with the unit shall be routine maintenance free for the life of the product.
- Should provide Isoflurane and Sevoflurane key filled vaporisers.
- **Breathing System**
- All parts of the breathing system that are in contact with patient gas should be latex free and autoclavable.
- Should not require tools when dismantled for cleaning and sterilization.
- Should accept large and small volume absorber canisters.
- The ventilator bellows shall be clearly visible and should ascend on expiration to provide a quick visual indicator for system leaks.
- Breathing system should have the option of CO₂ Absorber bypass control that will allow the absorber canisters to be removed without introducing system leaks.
- Should have bag / vent selecting valve integrated onto the absorber and should automatically turn on the ventilator when positioned to vent mode.
- **Ventilator**
- Ventilator should be pneumatically driven, electronically controlled and should be ascending bellows type.
- Ventilator should automatically change drive gas should there be a gas depletion.
- Ventilator shall have a large color display with touch screen user interface.
- Ventilator should have the following ventilation abilities, volume control, decelerating flow pressure control, SIMV with pressure support and pressure support.
- Ventilator should be capable of ventilating diverse range of patient groups from neonates to patients with restrictive airways with tidal volume range between 20 ml to 1500 ml with single bellows system.
- Assisted modes of breathing should be flow triggered.
- Ventilator shall have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.
- Ventilator should have a leak and compliance test that can be done independently of the full system check.
- On switching on, the ventilator system should be able to and shall give the user a choice of doing a unit test or bypassing in the case of an emergency.
- Ventilator shall compensate for fresh gas flow and compliance of the entire circuit dynamically.
- Measurement at the patient end of the circuit (sensor at the patient end) should be provided to compensate for small leakages and compressible volume variability that occur during ventilation.
- User should also have the option of setting a pre set compliance correction where similar circuits are used constantly.
- Should provide constant fresh gas flow into the breathing circuit during the inspiratory phase as mandatory.
- Ventilator should have the ability to set and store a hospital default as well as individual user preferences for easy selection of ventilation parameters and include screen layout, alarm preferences and ventilation settings.
- User should be able to set their own password.
- Apnea alarms must be user adjustable to allow for all operating conditions and phases during Anesthesia.

- Ventilator should have the ability to display and store Patient Spirometry loops including Flow-Volume and
- Pressure Volume curves.
- Ventilator should also display waveforms for flow and airway pressure.
- Ventilator shall display measured fresh gas independent of the flow meters.
- Ventilator shall display a dynamic compliance measurement.
- **Integrated Monitoring system:**
- Anesthesia Monitoring system should be of modular type and capable of monitoring adult, pediatric and neonatal patients. Should be from the same manufacturer as of the anesthesia system.
- Monitor should have minimum 19" independent flat panel display with multi color touch screen user interface to ensure all parameters are visible simultaneously.
- Module rack / housing should be independent and shall be able to be placed near to the patient.
- Should be capable of 8 traces display. Should have facility to monitor: ECG, NIBP, SpO₂, Respiration,
- Invasive pressures (3), temperatures (2), Capnography and Bispectral index. Should have Cardiac output port enabled.
- Should have automatic identification and measurement of anesthetic agents, EtCo₂, O₂ and N₂O and MAC value.
- Should have depth of anesthesia monitoring using Bispectral index.
- Cardiac output monitoring facility using thermo dilution technology with all accessories.
- ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all 12 leads
- Inbuilt ST segment analysis and arrhythmia detection for all the leads should be available.
- Should have haemodynamic, oxygenation and drug dose calculations.
- EtCO₂ should have both mainstream and side stream in one module.
- Respiration should be available with Cardio Vascular Artifact filter.
- OCRG(oxy cardio respiro gram) should be available for monitoring neonates.
- Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)
- 24 hours trend data should be displayed.
- All monitors including central station should have similar user interface for easy usage among all clinicians.
- Modules should be compatible with transport monitors if required.
- Monitor shall provide capability to remote view of real time waveforms via the internet. Should be able to upgrade to softwares for electronic flow sheet and full disclosure of all waveforms.
- 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 and color of the waveform must be user configurable.
- Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.
- All modules should be compatible with all monitors quoted.
- Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.
- Should be US FDA Approved
- Should be compatible with HIS and Should be HL7 compliant
- Monitor should have capability to accommodate remote viewing of real time waveforms through internet.

- **Accessories and spares**
- ECG / respiration: 5 lead ECG cable and lead wire set and 10 lead ECG cable and lead wire set per monitor
- NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor
- SPO₂ Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor
- IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor
- Temperature: Skin and nasopharyngeal probes per monitor
- BIS: 25 nos of disposable sensors per monitor
- Environmental factors:
- Safe disposal system : AGSS – Anesthetic Gas Scavenging System, should be in place
- The unit shall be capable of operating continuously in ambient temperature of 10C to 40C and relative humidity of 15-90%.
- Shall meet IEC 60601-1-2:2001 (Or equivalent) general requirements of safety for electromagnetic compatibility.

Item no:5

Pharmaceutical Refrigerator for O.T.

- Good quality double steel walled cabinet
- Capacity 500 liter
- Forced air circulation to maintain chamber temp. Uniformity.
- Temp. in range of 2 to 8 degree centigrade
- Low noise level
- Automatic defrosting & digital temperature display
- Audiovisual alarm for low & high temp.
- Input voltage 220 to 240 volts
- Inbuilt electronic voltage stabilizer

Item no:6

Volumetric Infusion Pump

- Flow rate should be from 0.1 to 990 ml/hr with 0.1ml/hr increment
- It should have choice of Micro & Macro drops
- Volume Limit should be more than 9900ml
- It should use conventional tubing (4 mm), PVC any Indian Make
- Immediate display of choice of programming after purge
- Must have function for immediate forward & reverse of screen/programming parameters
- **Programming :**
- ml/hr,
- time x volume limit.
- Weight x concentration x dose
- Must have Occlusion Pressure from 0 to 120 kPa
- KVO should be 0.1 ml to 3ml/hr
- Bolus rate should be more than 900 ml/hr

- Must have Special functions like Titration , Fluid Balance
- Time limit from 1min to 99hrs & 59 minutes.
- Should have pre alarms – Ultrasonic sensor type
- Visual / sound alarms like End of Battery Power , Incorrect flow rate, Door open, No drops, Occlusion , programming error, Running in KVO, Fluid balance etc.
- Flow rate deviation with standard tubing should not be more than +/- 6% of the programmed flow rate.
- Battery Rechargeable more than 5 hrs of operation
- Should be able to work on 220 Volts
- The Unit should be GMP, CE & ISO 13485 certified.

Item no:7

O T Tables for Orthopaedics (motorised/electrohydraulic)

- 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:
- **FEMUR NAILING IN SUPINE POSITION:**
- Counter traction post for femur: 1 No.
- **FOR TIBIA & FIBULA NAILING**
- Counter traction post for tibia : 1 No.
- Guide bar : 1 No.
- **Condoyle fixation : 1 No.**
- **FOR TOTAL HIP END PROSTHESIS**
- Fixtures for body support : 2 Nos.
- Back- buttock support with pad : 1 No
- Lateral support with pad : 1 No.
- **KNEE REPLACEMENTS**
- Motorised Knee positioning device
- including radial clamp : 1 No
- **SPINE IN KNEE ELBOW POSITION**
- Positioning device for spinal surgery, height adjustable and horizontal adjustment : 1 No.
- Trolley : 1 No.
- Sitting bracket with lateral supports : 1 No

- Radial setting clamps : 2 Nos.
- **CERVICAL SPINE SURGERIES**
- Connection Fixture : 1 No
- Horse shoe shaped head rest (two pc.) : 1 No.
- Guiding roller for head side traction : 1 No.
- **INTRAMEDULLARY NAILING OF HUMERUS**
- Humerus positioning device : 1 No.
- Countertraction post for humerous : 1 No
- Weinberger hand traction device : 1 No.
- **OPERATIONS ON THE HAND.**
- Hand operating table : 1 No.
- Radial setting clamp. : 1 No.

Item no:8

O T Tables for General Surgery & Gynaecology (motorised/electrohydraulic)

- Should be Mobile, modular operating table for any surgery, electro-hydraulic drive, with corded hand control, with upper back plate, with leg plates, with head rest, with SFC padding of 80 mm.
- Should have following features:
 - Battery (1 week/ 60-70 operations on Single Charge) and mains operation.
 - Stable base construction with 4 double swivel castors for easy motion and manoeuvring (locking of the double swivel castors via a foot pedal)
 - Base cover and cover for the override control panel made of CrNi steel, resistant to impact, breakage and disinfectants
 - SFC padding (Special Foam Core) with multi-layer construction for exceptional comfort during patient positioning and utmost patient safety
 - Safe patient positioning due to optimum covering of table top joints
 - Column casing made of CrNi steel
 - Supporting bars for the seat and back section, leg plate sockets, joint covers and side rails made of CrNi steel
 - Operating table top subdivided into 5 sections: head rest, upper back plate, lower back plate, seat plate & leg plates
 - If there are any malfunctions or if the corded hand control is defective, the operating table can be controlled using the override panel. Entire table top without crossbars, allowing intra-operative fluoroscopy
- Operating elements: corded hand control, override panel, foot switch
- Should meet following Electrical Standards:
 - Battery charge level: electronic monitoring with optical indicator
- Recharging of the batteries and supply of the operating table by means of a mains
 - cord
 - Nominal mains voltage /220/230-240 V frequency 50/60 Hz
 - IEC 60601-1
- Should meet following Technical data:
- -Length of table top : 2075 mm

- -Width of seat/lower back plate without side rails : 510 mm
- -Width of seat/lower back plate with side rails: 560 mm
- Max. Patient Weight -180 Kg

- Should have following Electro hydraulic adjustments:
- Via corded hand control or override control panel, with status indicators for battery charge level and base brake feature, located at the column head.

- Adjustment options via corded hand control or IR remote control:
- -Height with padding: 600 – 950 mm
- -Trendelenburg/reverse Trendelenburg: + 25° / - 25°
- -Lateral Tilt :15°
- -Lower back plate: 60° / 50°
- -Leg plates: 0° / 95 °
- -Longitudinal Shift: 290 mm
- -Body Elevator: 100 mm
- -0-position (horizontal alignment of the table top)

- Should have following Manual adjustments:
- -Standard back plate : + 90° / - 45°
- -Standard head rest : + 45° / - 45°
- -Base braking (lock / unlocking)

- Should be supplied with Basic equipment:
 - Corded hand control
 - Head rest, inclinable, SFC padding
 - Retrofit kit, side rails, for head rest for subsequent lateral mounting
 - Arm Boards pair
 - Anesthesia Screen
 - Clamps or Adaptors
 - Leg plates with SFC padding
 - Gopel knee crutch with clamp pair
 - Side supports pair

Item no: 9

General Instruments Set	
CATHETERISATION TRAY X 10	
Sponge holder 8"	2
Artery forceps straight 9"	1
S.S. Bowl 10 cm	2
S.S.Kidney tray 10"	1
S.S. Adoptor	1
SPINAL TRAY X 10	
Sponge holder 8"	2
Artery forceps curved 7"	1
S.S. Bowl 10 cm	2
S.S.Kidney tray 10"	1

BASIC SET x 10	
B.P. Handle No.3	2
B.P. Handle No.4	2
Dissecting Forceps Plain 7"	2
Dissecting Forceps Plain 8"	1
Dissecting forceps Toothed 7"	1
Dissecting Forceps Toothed 8"	1
Adson Dissecting Forceps Plain 6"	1
Adson Dissecting Forceps Toothed 6"	1
Towel clip 5"	6
Cd. Scissor Suture Cutting	1
Mayo Scissor Cd. 9" TC	1
METZ Scissor Cd. 8" TC	1
Mayo scissor 8" st.	1
Mayo Scissor 8"	1
Needle Holder 7" Mayo hegar	1
Needle Holder 8" fine	1
Needle Holder 7" Mayo hegar	1
Artery Forceps Cd. 8"	2
Mosq. Artery Forceps Cd.	4
Mosq. Artery Forceps st.	2
Artery Forceps Cd. 7"	6
Artery Forceps St. 7"	2
Allis Forceps 7"	4
Babcock Tissue Holding Forceps 6" & 7"	2
Probe and director	1
Suction Tip No. 1, 2, 3, 4	1 Each
Yaunker's Suction with detachable tip	1
Mixture Clamp 7"	1
Langenback Ret MEDIUM	2
Langenback Ret SMALL	2
"C" Shaped Retractor (pair) small & med	2 Each
Sponge Holder 8"	4
Skin hook sharp	2
Vein loops	2
S.S.Bowls 10 cm	4
S.S. Kidney tray 12"	2
PILES EXTRAS x 3	
Sims speculum med	1
Sims speculum small	1
Sims speculum large	1
Speculam with one handle	1
Proctoscope small	2
Proctoscope med	2
Proctoscope big.	2
Artery forcep cd 8"	2
Venesection cannula 16,18,20,22	1 Each
Proctoscope small	2
Proctoscope med	2
Proctoscope big.	2

Piles needle	1
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Item No: 10**Electro Surgical Unit (with under water Cautery for TURP)**

- Should be suitable for all types of surgeries.
- Digital system with automatic patient plate monitoring.
- Display: Digital
- Monopolar cut: 300 to 400 W
- Not less than two blend modes
- Provision for Spray, Dessication
- Bipolar Coagulation
- Facility for underwater cutting
- Facility for simultaneous coagulation
- Audio visual alarm for breakage of contact between patient and plate
- **Accessories:**
- Double pedal foot switch
- Single Pedal Foot switch
- Patient plate with cable x1
- Autoclavable handles: 3 sets
- Electrodes: 3 sets
- Bipolar forceps with cord x 1
- All accessories should be from same manufacturer to ensure compatibility.
- All instruments should be autoclavable or Single Use. Single Use Disposables if offered should be sufficient for 20 surgeries.
- The equipment should be US FDA Approved
- Complete instruction and service manual should be supplied.

Item no:11**BLOOD VESSEL SEALER**

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

Item no:12**O T Table for Minor O T**

- **OT Table with following specs**
- Electro Mechanical Adjustments
- Height 760 mm to 960 mm,
- Trendlenberg/Rev Trendelberg,25/25 deg
- Lateral Tilt.-15 deg
- Manual Adjustments
- Backrest with gas spring up/down-65/25 deg
- Headrest Detachable
- Legrest Detachable
- Standard. Four Section Mattress – 1 Set
- **Accessories**
- 1-Arm Board 02
- 2-Anaesthesia Screen 01
- 3-Body Strap 01
- 4- Radial setting clamp 03
- 5- Goepel Knee crutches 02
- 6-Perineal cutout filter 01

Item no:13**Pulse Oximeter with ECG & NIBP (Multiparamonitor)**

- Patient monitor system should be of modular type and capable of monitoring adult, pediatric & neonatal patients.
- Monitor should have 15” independent flat panel touch screen display.
- 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 Cardiac output, 4 channel EEG, and BIS.
- ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads.
- Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.
- Haemodynamic and drug dose calculations should be available.
- Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.
- Respiration should be available with Cardio Vascular Artifact filter.
- OCRG should be available for monitoring neonates.
- 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 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.
- 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.
- Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.
- Should have CE and US FDA certifications.
- **Accessories and spares**
- ECG / respiration: 5 lead ECG cable and lead wire set and 10 lead ECG cable and lead wire set per monitor
- NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor
- SPO2 Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor
- IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor
- Temperature: Skin and nasopharyngeal probes per monitor.

Item no:14

Surgery Instrument Set for Minor O.T.	
<u>Minor Surgery Set</u>	
B.p.handle no.3	4
B.p.handle no.4	2
Dissecting forceps plain 7"	2
Dissecting forceps toothed 7"	2
Adson Dissecting Forceps Plain	2
Adson Dissecting Forceps Toothed	2
Towel Clip 4"	8
Iris Scissor st.	2
Iris Scissor cd.	2
Mosq. Artery forcep cd 6"	12
Artery Forceps Mosq. St 6"	8
Artery Forceps st. 7"	8
Artery forceps 7" Cd.	8
Allis forceps 7"	8
Babcock tissue forceps	4
Needle holder 8" mayo hegar	2

Needle holder 8" fine	2
Mayo scissor 8" st.	2
Metz. Scissors cd 8"	2
Mayo Scissor cd.	2
Venesection scissors 4" curved	2
Sponge holder 10"	8
Suction tip no1,2,3,4	2
Scoop Double Ended	2
Probe and director	2
Kilner retractor	4
Skin Hook	4
Lagenback retractor medium	4
Sinus forcep	2
Venesection cannula 16,18,20,22	2
S.S.bowls 10 cm	8
S.S.kidney tray 10"	4
CATHETERISATION TRAY	
Sponge holder 8"	10
Artery forceps straight 7"	5
S.S. Bowl 10 cm	10
S.S.Kidney tray 10"	5
S.S. Adoptor	5
SPINAL TRAY	
Sponge holder 8"	10
Artery forceps curved 6"	5
S.S. Bowl 10 cm	10
S.S.Kidney tray 10"	5
BASIC SET	
B.P. Handle No.3	10
B.P. Handle No.4	10
Dissecting Forceps Plain 7"	10
Dissecting Forceps Plain 8"	5
Dissecting forceps Toothed 7"	5
Dissecting Forceps Toothed 8"	5
Adson Dissecting Forceps Plain	5
Adson Dissecting Forceps Toothed	5
Towel clip 5"	30
Cd. Scissor Suture Cutting	5
Mayo Scissor Cd. 8" TC	5
METZScissor Cd. 8" TC	5
Mayo scissor 8" st.	5
Mayo Scissor 8" cd	5
Needle Holder 7" Mayo hegar	5
Needle Holder 8" fine	5
Needle Holder 8" Mayo hegar	5
Artery Forceps Cd. 8"	10

Mosq. Artery Forceps Cd.	20
Mosq. Artery Forceps st.	10
Artery Forceps Cd. 7"	30
Artery Forceps St. 7"	10
Allis Forceps 7"	20
Babcock Tissue Holding Forceps 7"	10
Probe and director	5
Suction Tip No. 1, 2, 3, 4	5 Each
Yaunker's Suction with detachable tip	5
Mixture Clamp 7"	5
Langenback Ret MEDIUM	10
Langenback Ret SMALL	10
"C" Shaped Retractor (pair) small & med	10 Each
Sponge Holder 8"	20
Skin hook sharp	10
Vein loops	10
S.S.Bowls 10 cm	20
S.S. Kidney tray 12"	10

Item no:15

Syringe Pump

- Should be able to adopt syringes from 5 to 60ml horizontal
- Programming : Should be ml/hr, ml/hr x volume limit & time x volume limit
- Flow rate should be 450 ml/hr with 0.1ml/hr increment (independent of syringe capacity for all syringes)
- Volume Limit should be 999.9 ml
- Must have variable Occlusion Pressure at least 3 levels
- KVO should be 1ml/hr or less
- Bolus rate should be 450 ml/hr , minimum 1 ml
- Volume x Time infusion mode limit : 0.1 to 999.9 ml and time 1 min to 99 hrs and 59 min.
- Should have Check facility to recall programmed parameters
- Special Functions Like : Clear Volume
- Should have pre alarms such as End of Battery, End of Infusion, & visual & sound alarms like Syringe positioning error, occlusion, infusion completed, syringe error, programming error, Block error, clamp error , low battery etc
- Flow rate deviation should not be more than +/- 1% of the programmed flow rate.
- Battery Rechargeable with battery life 3hrs , Should be able to work on 230 Volts
- Should have clear LED display.Syringe placement should be top loading.
- Should have check facility to recall programme parameter.
- The product should have GMP, CE & ISO 13485 certifications

Item no:16**Multipara Monitor (8)/ Neonatal Monitor (2) with Central Monitoring Station (1)****Multipara Monitor / Neonatal Monitor**

- Patient monitor system should be of modular type and capable of monitoring adult, pediatric & neonatal patients.
- Monitor should have 17" independent flat panel display.
- Touch screen user interface .
- Module rack / housing should be independent and shall be able to be placed near to the patient.
- Should be capable of 8 traces display.
- Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO₂, invasive pressures (2), temperatures (2)
- Should be compatible with Capnography, Cardiac output, EEG, and BIS and prices to be offered as optional
- ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads.
- Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.
- Haemodynamic and drug dose calculations should be available.
- Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.
- Respiration should be available with Cardio Vascular Artifact filter.
- ICP monitoring should be possible.
- Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)
- 24 hours trend data should be displayed.
- All monitors including central station should have similar user interface for easy usage among all clinicians.
- Monitor shall provide the capability to interact with alarms at remote bedsides.
- Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network.
- Monitor shall provide the capability enter patient information at the bedside or central monitor.
- On-screen keyboard for entering this data is preferable. Should have USB ports to connect mouse, key board, bar code scanner.
- Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.
- Position of the displayed waveforms must be user configurable.
- Waveform color changing should be user configurable.
- Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices.
- All modules should be compatible with all monitors quoted.
- Bed to bed communication between the monitors should be possible with out a central station.
- Networking to central station should be possible and price of central station should be offered as optional
- Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.
- Should be compatible with HIS and should be HL7 compliant.
- Monitor should provide remote viewing of real time waveforms through internet.

- Patient monitoring network shall be able to support up to 1,000 monitoring nodes.
- Should be supplied with necessary accessories for adult , pediatric and neonatal accessories.
- **Accessories and spares**
- ECG / respiration: 5 lead ECG cable and lead wire set per monitor
- NIBP: Adult: 2 sizes and Pediatric 2 sizes and neonatal, 1 size per monitor
- SPO₂ Sensor: Adult sensor with cable, pediatric sensor with cable and neonatal sensor with cable per monitor
- IBP: Include 10 nos of disposable pressure transducer with bracket and interface cable per monitor
- Temperature: Skin and nasopharyngeal probes per monitor.
- The equipment should be CE & US FDA Approved.

Central Monitoring Station

- System should have minimum 16 beds capability.
- Central station should have 17" color display.
- Should have drug dose and hemodynamic calculations.
- It should have possible to view information such as vital signs, alarm status, arrhythmia analysis, trended
- parameters, patient data etc for any selected bed from the central station.
- Should have separate computer keyboard and 4 channel thermal array recorder.
- should have default alarm limits and customizable parameter settings.
- Central station should have full bed review capability.
- Central station should be able to be configured as a bedside monitor if required.
- Should have 24 hours trends.
- Should have capability for HL7 interface. Should be capable of monitoring telemetry modules.
- All system should have CE & FDA certifications.
- Should be supplied with a On-line suitable UPS
- Note: Price of MULTI PARAMETER MONITOR and CENTRAL MONITORING STATION should be quoted separately.

Item no:17

Portable Xray unit

- 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.
- Comparising of High Frequency X-ray generator
- Multiphos 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
- **Collimato:-**
- Brightfield 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 manoeuvrability
- Total Weight = 130kg(approx)
- Height in the parking position=140cm(approx)

Item no:18

ECG Machine

- Floating: protection against defibrillator effect, Lead, standard 12 leads, lead change, automatically, patient current leakage input impedance
- calibrating voltage: 1mv
- A/D conversion: 12 bit
- Frequency response: 0.05Hz-150Hz (IEC)
- Time constant> 3.2 sec
- CMRR>80 dB
- EMG filter-35Hz (-3 dB)/25Hz (-3 dB)
- Sensitivity: ½, 1,2(cm/mV) , conversion deviation

Item no:19

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 dBA at 1 m.
- The ventilator should have Automatic atmospheric adjustment
- The ventilator should have recording facility of patient data trends through USB for 3 months to 1 year time with following parameters;
- Monitoring: pressure, inspired flow, exhaled flow and leak measurement
- Trends: leaks, VTI, VTE, Rate, I/T, M. Vol, P MAX and PEEP measurements

Item no:20

BIPAP

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

- Ipap IPAP range 6-30 cms
- Epap EPAP range 4-20 cms
- Respiratory rate can be set to 4-40 bpm
- Spontaneous / cpapCPAP/ spontaneous with time/ timed
- Connectors for et ET tube available for direct connection
- Should have cpapCPAP, psv PSV stST, pcvPCV, pacv PACV modes
- Should have facility to set target tidal volume
- Inspiratory time should be possible to set allowing critical patients to breathe out.

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

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

Item no:21

Blood Gas Analyzer

- A fully automated pH/Blood gas/electrolyte analyzer measuring the following parameters: - pH, PCO₂, PO₂, Barometric pressure. Na, K, Ca, Cl
- Co-oximetry: ct Hb, CCO Hb, Met Hb, Sulf Hb, Haematocrit and Barometric pressure.
- Sample volume should be approximate 100 µl for all parameters.
- All calibration and cleaning cycles should be fully automated with user selectable calibration items.
- Calibration should be performed by liquid calibration for all parameters.
- The electrodes provided should be zero maintenance including the reference electrode.
- The system should have on board data manager to store all patient results, QC data and calibrations.
- The system should have a closed waste system and monitored continuously. Also all the system reagents should be monitored continuously.
- A power fail protection for 20 min.to take all calibration and programmed data.
- The analyzer should have a colour LCD screen to access all the system software and to display the patient's results. With alphanumeric key board/touch screen.
- A built in thermal printer should be provided to print out patient results.
- The system should work in discrete testing, ie, selectable parameter testing.
- Should be supplied with consumable, reagents and QC agents for 1000 tests, as per the user requirements so that they do not expire.
- Should not preferably use special gases

Item no:22

ELISA Reader with Washer

1. Description of Function

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

2 Operational Requirements

2.1 Only ELISA Reader is required.

3 Technical Specifications

3.1 OPTICAL SYSTEM

Digital light control

8 measurement channels including 1 reference.

Single and dual wavelength measurement with facility for kinetic measurement

8 s maximum measurement time for single and dual wavelength and 5

s(+/-1Sec.) for kinetic

Measurement Range 400-700nm

Indication Range 0-2.999 abs

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

Resolution 0.001 abs

Inbuilt Filters: Narrow band interference

Should have the following filters – 405, 450, 492(+/-2nm), 540, 620 (+/-10nm) and 690 nm

Should measure end point, curves and kinetic.

3.2 SOFTWARE:

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

Time programmable between each measurement. Agitation programmable before each reading

Bidirectional printer interface.

Data memory through computer

Built in Windows based software programming software.

3.3 MEASUREMENT MODES

Plate shaking mode for sample mixing (selectable speed and time)

Flexible blank mode setting

Matrix Modes: Matrix -/x/t, Matrix-/0-0 (Range),

Matrix-/f/(Floating cut off)

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

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

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

3.4 Adjustable for different micro plate geometrics

3.5 Halogen Lamp 20 - 40 W.

3.6 16 digit alphanumeric fluorescent display

3.7 Membrane keyboard.

3.7 Technical Specifications for washer

3.1 Auto strip washer for 96 well plates / strips

3.2 1 x 8 strips/ 1x12 strips.

3.3 Dispensable wash volume 50 - 300 µl.

3.3a Residual wash Volume <0.5µl

3.4 Aerosol Shield for user safety.

3.5 In built shaking facility

4 System Configuration Accessories, spares and consumables

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

Maintenance kit to be provided.

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 Halogen Lamps : 2

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

4.4 Dust cover.

5 Environmental factors

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

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

6 Power Supply

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

6.2 Resettable over current breaker shall be fitted for protection

6.3 Suitable voltage corrector/stabilizer

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

7 Standards and Safety

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

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

7.3 Should be FDA or CE or ISI approved product

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied

8.2 Certificate of calibration and inspection from factory.

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

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

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

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

Item no:23

Cell Counter(Fully automated 5 part differential haematology analyser)

- Automated hematology analyzer should include 24 parameters including histogram for RBC, WBC and platelet.
- Should have impedance principle for counting and photometer for hemoglobin.
- It should read at least 60 samples per hour or more.
- Should have dual channel measurement.
- Double dilution chamber
- Sample volume less than 200 micro litres in whole blood and pre –dilute mode.
- It should have various types of discrete mode and real time random access analysis to save reagent consumption and analysis time.
- Sampling needle should have automatic wash from inside and outside.
- LCD / VGA Monitor with graphical user interface (GUI) for easy operation.
- Large illuminated colored VGA or LCD should display the result of all parameters and histogram together.
- Should have sample manual and capillary mode.
- Should have capacity to store at least 20000 numeric patient results and 5000 graphics.
- Should have inbuilt / External graphic printer.
- Should have RS232 serial and parallel port can be connected with LAN and laser printer.
- Should have a membrane keyboard for routine operations and maintenance with option to attach external key board for patient demographic entry at instrument operation.
- Should have three dimensional technology or Flow cytometry for differential analysis to maximize resolution, specificity and efficiency.
- Should have extended analysis time for cytopenic sample. .
- Should be able to integrate with optional automated slide maker and stainer.
- Should have zero routine maintenance with automatic electronic aperture cleaning and back flush after each sample.
- Instrument should accept all types of vacutainer tubes.
- The instrument should have option for auto sampler, bar code reader.
- Reagent cost per cycle including start up and shutdown if 200 & 500 samples are processed at a time should be submitted separately in the financial bid.
- There should be automatic storage of calibration data and extensive quality control programme with LJ plot for at least 8 control lots and at least 25 runs per lot.

Basic common necessities:

- Input Voltage 230 volts 50 Hz as per Indian standard.
- Service manual and technical data with all necessary passwords without any obligation.
- Instruction and operational manuals without any obligation.
- UPS preferably sine wave based with maintenance free batteries with duration two hours.

Item no:24

Refregirated Centrifuge Table Top

- Max Capacity
- Swing-out 4 x 135 mL
- Fixed Angle 6 x 50 mL
- Max Density 1200 kg/ m³
- Max Load 0.648 kg
- Max Speed
- Swing-out 4000 rpm
- Fixed Angle 6500 rpm
- Max RCF
- Swing-out 2647 x g
- Fixed Angle 3684 x g
- Control System Microprocessor
- Speed Set/ Display
- Range 300 - 6500 rpm
- Step 10 rpm
- Accuracy ± 20 rpm (display)
- Timer Set/ Display 1 min up to 99 min + Hd
- Acceleration Rates High or Low
- Braking Rates High or Low
- Drive System Direct
- Motor Type Brushless induction
- Power (average/ max) 150 W
- Noise 57 dBA
- Standards IEC 1010-1, IEC 1010-2-020, CE marked, UL listed, cUL listed
- Product Dimensions Approx.
- Height (lid closed) [cm/ in] 28/ 11
- Width [cm/ in] 37/ 14.6
- Depth [cm/ in] 46/ 18.1
- Approx.Weight unpacked [kg/ lb] 28/ 61.7

Item no:25

FULLY AUTOMATIC BIO-CHEMISTRY ANALYZER – RANDOM ACCESS

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

- Capable of analyzing all routine bio-chemistry analysis including electrolytes (ISE – Module)
- Throughput up to 320 test/hour, on 24 hours basis.
- Capability up to 40 samples/run and up to 20 different at any one time
- On board refrigeration for reagents.
- Integrated computer system for data management and storage data.

- Sample volume can be adapted to paediatric samples (micro analysis)
 - Calibration and maintenance requirement is minimum.
 - To be supplied with 90 Litre/hour multi-stage with 3 different grades of water (3 separate filter) and deionised.
 - Tests to be analyzed by pre-analyzer, LFT, liquids, total protein, calcium, phosphorus, magnesium amylase,, sodium, potassium, bicarbonate, chloride urea, creatine and glucose etc.
 - Battery backup minimum for 30 mins.
- With complete accessories as cuvette, startup kit, consumables, cup 1000 etc.

Item no:26

Fully Automatic Hematology Analyzer- Three Part

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

Item no:27

Fully Automatic ESR Analyzer

- Loading Capacity- Max 12 samples
- Throughput- 24 samples /hour
- Analysis Time – 30 min /60 min
- Pre-indication of result –In just 12 minutes
- Graphic of Kinetics –In westergren mm/h (by interpolation) –printer
- Blood draw level – 1.2 ml (acceptable range 1ml -1.35 ml)
- Temperature correction – Automatic compensation referred to 18 degree(Manley)
- Working Temperature Range – 15 to 32 degree C
- Measurement Principle- Infrared detection ,IR transmission reading of start and during30 minutes of sedimentation
- Mechanical/optical precision of detection : Resolution of readings : +/-0.2 mm,
Resolution of results : +/- 1 mm
- Measuring range: 1 to 140 mm/hr Westergren

- Reproducibility : C.V.5% (depending on sample value)
- Display : Graphic LCD display with backlight
- Interface : RS232C for printer
- Operating conditions : Temperature : 15 degree -32 degree C,
Humidity : 45%-85%
- Dimensions : Height-20 cm, Width – 24 cm, Depth- 26 cm, Weight-3.5 kg(Approx)
- Power requirements : 100-240 Vac,50-60 Hz

Item no:28

Fully Automatic Urine Analyzer

Two Different strips can run on the system

Combur 10M : Glucose,protein,pH, Leucocytes,Nitrite,Ketones

Bilirubin,Urobilinogen,Blood,SG (10 parameter)

Combur 9 :Glucose,protein,pH, Leucocytes,Nitrite,Ketones,Blood,Bilirubin,Urobilinogen

Features

- Sample : Uncentrifused Fresh Urine
- Analysis time – less than1 min
- Sample throughput – approx. 60test strips/hours (normal Mode)
- Calibration through dry strips for better results .
- Totally Maintenance Free System
- Light Source - LED
- Wavelength measurements - 470nm,555nm, 620 nm
- Data display on Touch screen monitor
- Data printout on fast low noise thermal printer
- Memory for 1000 patient results with time and date,3×100 Controll
- Simple Touch Screen operation
- Flagging of abnormal results
- Interfaces - 1 x RS 232
- 110V to 240V AC operation
- CE / CB / UL/CUL approved

Accessories

Accessories Kit

Manual

Power Cord

Adapter

Item no:29

Fully Automatic Electro Chemiluminiscene Machine

1. Extensive test menu, ease of use, reliable and robust hardware.
2. High through out of up to 200 tests per hour with random access.
3. Enzyme amplified enhanced chemiluminescence's technology.
4. Bar-coded stored master curves with two point calibration.
5. On board reagent refrigeration up to 24 resident assays or more.

6. Continuous agitation enhances reaction kinetics preferable.
7. On board dilution.
8. State-of-the art, icon-driven Microsoft @ windows software with touch screen.
9. Real time system monitoring.
10. Customized patient reports.
11. Display quality control data in levey Jennings plot.
12. LIS interface with host query- Bidirectional.
13. Complete torch menu.
14. Complete assays for maternal screening.
15. Use of primary tubes for sampling.

Item no:30

500 M.A. X-ray machine

A. Generator:

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

B. X – ray tube and collimator:

1. The x-ray tube should be rotating anode high speed, compatible with the generator and must have dualocus.

Focal spots of following sizes:

Large focus: 1.2/2.0 mm or better.

Small focus: 0.6/1.0 mm or better.

Tube with anode heat storage capacity 150 khu or more.

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

C. X – ray table:

1. Horizontal table with floating table top.
2. It should have transverse + 10 cm or more and longitudinal movements + 35 cm or more with electromagnetic brakes.
- 3 It should be thin table top.
4. It should be provided with bucky which can hold all standard sizes of cassettes upto 14”x17”.
5. Bucky should have a grid ratio 10:1 or more with 65 lines per cm.

D. Vertical bucky stand:

1. It should have provision to do chest radiography with grid.

E. Essential accessories:

the following essential accessories to be provided with the unit.

1. Lateral cassette holder – one.

Should be supplied with following:

- Dark room light
- One set of all dark room accessories
- Whole body (upper and lower) lead apron (standard make) – 8 nos.
- Three panel Lead screen (with lead glass window)– 2 nos.
- Lead lining for doors of **size 215cm x 152 cm**
- Apron & glove hanger

Heavy duty multiple glove and apron hanger wall or floor mounted. Stainless steel construction.

Holds two pairs of

gloves and two lead aprons. Dimensions: 76 x 46 x 25 cm approximately.

All necessary aerb / barc approvals.

Item no:31**Colour Doppler Digital****1. Beam former**

Universal Digital broadband former accepting routine Phased array sector, Convex, Linear and Endovaginal probes.

2. Monitor

Should have high-resolution 15” medical grade Flat Panel monitor with articulating arm

3. Digital Processing Channels

Atleast 1024 channels

4. Gray Scale

System should have a minimum of 256 gray levels with system dynamic range to be more than 200dB

5. Display modes

With B, 2B, M, Color M mode, PW, HPRF and Color Doppler with Power Doppler. Phase Inversion Tissue Harmonics should be available on Convex and Phased Array probes. steering on Color / PW modes on Linear probe should be available. Trapezoidal Image. Triplex mode .

6. Cine Review

Standard cine memory providing 500 frames on 2D mode and up to 30 seconds Doppler Cine. To be confirmed.

7. Transducer technology

System should be capable of handling 1 – 15 MHz

Multifrequency imaging with independent selection of 2D / Color / Spectral doppler frequency should be offered.

8. Exam Presets

Should be able to store atleast 30 user specific Image presets.

9. Image Optimisation on B and M modes

System should have the following

- Selectable frequency on probes
- Up / Down & Right / Left Image rotation
- Multiple steps of Edge Enhancement settings
- Upto 25cm dept.
- levels of persistence

10. Color and Spectral Doppler Optimisation

System should have the following

- Selectable frequency on all probes
- Gate adjustments on Spectral modes.
- Filter adjustments should be specified.

11. Zoom function

When a more detailed view is needed, the system should reoptimises and rescans the selected region to actually increase the acoustic information content of the image upto 10 times.

12. Deep Doppler and color performance

HPRF performance at depth

13. Measurements and Calculations.

System should have atleast 6calipers with depth information and extensive, customizable measurement and report packages including complete Obstetrics, Gynecology studies.

Distance, Area, % stenosis on B mode

Distance, Time, Heart Rate, Slope on M mode

Velocity, Acceleration time, Slope, PI, RI, S/D Ratio with Auto Doppler on Doppler mode

14. Image Management

System should have facilities to store atleast 100,000 images, should have the facility of performing calculations and annotations on stored images. System should have inbuilt CD / DVD writer for image transfer.

15. User Interface

PC – based operating principles.

Task light with back-lit illumination of control panel.

System should have on screen menu for easy and immediate access to imaging controls. Live image should be supported with side by side reference / stored images on the Flat panel monitor.

16. Power requirements

System should operative between 200 – 240 VAC, 50 Hz. Maximum power consumption should not exceed 700 VA

17. Required Accessories

- Convex Probe 2 – 5 MHz (Harmonic Imaging should be available)
- Linear Probe 3.0 – 9 MHz (Harmonic Imaging should be available)
- Endovaginal probe 4-8 Mhz

18. Accessories

- Thermal printer
- Inkjet Printer

Item no:32

GENERAL PURPOSE ULTRASOUND SYSTEM

- Ultra sound scanner
- The following requirements must be met:

- Scanner meant for radiology applications. This should be capable of performing state-of-the-art imaging primarily for abdominal applicators, but for also OB GYN, thyroid, testicles, breast, carotid and othr peripheral vascular applications.
 - Image modes 2D (sector and linear array)
- Doppler colour flow maping.
 - Transducers number of transducer elements (64-128) number of measurement channels (64-128) phased and linear array transducers for 2D; 2D doppler. Following is the minimum requirement for transducers.
- General purpose transducer 5 MHz general purpose sector transducer & 3.5 MHz linear array transducer.
- One or two transducers (5-7.5 MHz) for small parts and vascular imaging- CW doppler probe.
- Trans vaginal imaging probe
- Trans rectal probe
 - Imaging system;
- Scan converter with 512 x 512 x 6 to 8 bit image memory. Pre and post processing capabilities. Controls for time gain compensation. (TGC) variable power , dynamic range and overall gain controls.
- Adjustable transmit zone (specify transducers with this facility). Dynamic receive focus (specify transducers with this facility). Maximum display depth 24 cms.
- Alpha numeric keyboard.
- Digital calipers for linear, circumference and area measurements. Annotation capabilities.
- Obstetric calculation package gestational age programs.
- Pan zoom Features for real time and frozen images. (specify magnification)
- Cardiac imaging option.
- Pw Doppler analysis for carotid and peripheral vascular application.
- Variable sample volume and Variable or selectable wall filters for doppler. Velocity versus time display with angle correction as well as frequency versus time display- simultaneous 2d-doppler.
 - Imaging sector angle (45-90 degree)
 - Monitor (single-dual) 12" (mini) patient data mode selector display.
 - Image display (dual/quad).
 - Audio for doppler – with head set.
- General purpose biopsy guide with associated Software for visual guidance.
- Small parts biopsy guide.
- Fetal m mode studies.
 - Simultaneous m-mode 2d.
- Continuous cine loop.
- colour flow maping
- User programmable protocols.(specify)
 - Archiving facility for 1000 frames programme leading through floppy computer with keyboard.
- Hard copy facility.
 - B&w printer with roll dvd. Record with 100 dvd's.
- Replay frame grabber and analysis.
 - Service documentation 2 sets.
- Essential set of consumables and accessories.
- DICOM ready.

Item no:33

Instrument set for Orthopaedic surgery	
<u>Wire Instrument Set</u>	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
<u>Medullary Reamer Set</u>	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 head 8.5mm	1
Flexible medullary reamer head 9mm	1
Flexible medullary reamer head 9.5mm	1
Flexible medullary reamer head 10mm	1
Flexible medullary reamer head 10.5mm	1
Flexible medullary reamer head 11mm	1
Flexible medullary reamer head 11.5mm	1
Flexible medullary reamer head 12mm	1
Flexible medullary reamer head 12.5mm	1
Flexible medullary reamer head 13mm	1
Flexible medullary reamer head 13.5mm	1
Flexible medullary reamer head 14mm	1
Flexible medullary reamer head 14.5mm	1
Flexible medullary reamer head 15mm	1
Flexible medullary reamer head 15.5mm	1
Flexible medullary reamer head 16mm	1
Flexible shaft with guide wire 7mm	1
<u>Bone Forcep Set For Reduction</u>	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
<u>DYNAMIC SCREW/DCS HIP SCREW INSTRUMENT Set</u>	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 135°	1
DHS Angled Guide 150°	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
<u>Small Fragement Instrument Set 3.5mm</u>	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
<u>Basic Instrument Set Large Fragment 4.5mm</u>	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
<u>Basic Intramedullary Nailing Insts set for Femur & Tibia</u>	1 Set
Universal Socket Wrench	1
Hex Driver for 4.5/5.0 mm screw,6,4mm,5.0mm can screw,measuring gauge for nails	1
Medullary Exchange tube	1
Internal fracture Aligment Device	1
Depth Gauge	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 combination Wrench SW 17/	1

Measuring Gauge	1
Measuring Gauge for nails-radiographic	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(ram)	1
Tibial Extractor Bolt	1
Guide Rod For Cannulated Screws 1.8X350	1
Universal Proximal Device for Femoral Nails	1
Nail Adapter Bolt	1
Length Guage	1
Twist Drill Cannulated 305mm,4.0mm,4.8mm	1
Hand Reamer 6 to 8 mm	1 each
Pin wrench	1
Distal aiming device	1
Direction finder	1
Aiming trocar	1
Fixation bolt for femur & tibia	1 each
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
<u>Damaged screw,Broken Nail Removal Instrument set</u>	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
<u>Locking Compression Instrument set Large& Small</u>	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
<u>Cannulated Screws Instruments set 4.5mm</u>	1Set
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
<u>Cannulated Screws Instrument Set 3.5 mm</u>	1 Set
Vario Case for instrumrnts	1
Lid Stainless Steel size 1/2 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 ϕ 1.25 w/thread-tip w/trocar L1	1
ScrDriver-hex-cann f/Cannul-Scr ϕ 3.5+4	1

Item no:34

Battery Operated Drill & 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, Formalence 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
- Reaming Chuck 5:1 -1No
- Sagittal Saw-1 No
- Powered through 'Maintenance free Pistol grip
- Tool-less assemble of attachments. Accurate
- Speed control through the Trigger
- Steam Autoclave, ETO, Formalene and in 10
- minutes through a 'Flash' autoclave. Saw speed
- of 15000 cycles per minute
- Blades for Sagittal Saw-10 Nos

Item no:35

Arthroscopy Set

- Arthroscope 4mm, 30 deg
- High Flow Sheath for 4mm 30 deg Arthroscope with Obturator
- High Definition (HD) Camera
- Camera Console
- Multiple digital outputs
- Electronic zoom
- Resolution 1280X1024 or more
- Progressive scanning
- 2 DVI Outputs , 1 Composite Output,
- Camera Head

- Autoclavable Camera Head
- Button Functions
- White balance by camera head
- 300W Xenon Light Source
- Stand by Mode
- Universal jaw adapter for all make light cable/guide.
- Fibre optic Cable/ Guide.
- High Definition Monitor
- Fully compatible with HD camera. with DVI input.
- Instruments
- Hook Probe
- Wide Bite Punch,15D up
- 90 Deg Rotary Punch, left
- 90 Deg Rotary Punch, right
- Narrow Straight Punch
- Alligator Grasper
- Shaver System
- Console Operates all electric handpieces
- for arthroscopy, small bone and large bone.
- The maximum speed of Shaver hand piece should be 12,000 rpm
- Footswitch(wireless)
- Drill Handpiece for Large Bone surgeries
- Oscillating Saw Handpiece for Large Bone Surgeries
- Universal Cable
- Single Trigger Wire Driver
- 1/4' Jacobs chuck with Key
- Blades for oscillating saw h/p
- Reamer attachment with AO coupling
- Full Radius Resector(6 Nos)
- Burr(6 Nos)
- Acl Instrument set
- All the items should be from one company.
- The equipment should be US FDA Approved.
- Imaging Trolley(Indian)

Item no:36

Plaster cutter with Aspirator

- 1.The plaster cutter hand piece should be light weight and ergonomic design.
2. The cutter should have two speed control and with less noise
- 3.the cutter should have impact resistant housing and it should be versatile i.e can be used with vacuum or directly plugged into the wall/point.
- 4.the vacuum should have mobile on 5 castors for stability and easy transportation.
- 5.the vacuum should have easy facility to connect the hose with the cast cutter.
- 6.locking mechanism should be there in the system to lock the hose with the cutter.
- 7.the length of the hose should be 8 feet.
- 8.one complete system should be supplied with following items/accessories-
 - I. Cast cutter hand piece-1 no.
 - II. Cast cutter blades-20 nos(different sizes)

- III. Cast vacuum with hose and mobile stand-1 no.
- IV. Blade mounting toll-2 nos
- V. Small cast spreader-1 no
- VI. Large cast spreader-1 no.

Item no:37

Mobile C-arm image intensifier with DSA

Features - generator

Microprocessor controlled high frequency generator with 2.5kw or more with integrated beam filters to reduce patient skin radiation dose.

collimator: iris or multi leaf

x ray mode (KV & mA range):

KV- range : 40 - 110 KV

Fluoroscopy-

A) fluoroscopy should not exceed 5 ma .

B) pulsed fluoroscopy with last image hold

Radiography –

Radiographic mode for cassette exposures: minimum of 20mA image intensifier:

9”or more triple mode image intensifier with hi – resolution CCD camera image processing:

A) minimum 12 bit digital fluoroscopy imaging unit with dedicated video pipe-line processor

B) archival memory cd/dvd mode.

C) detachable cassette holder for film recording.

D) complete hi end and latest computer system with required licensed software for image capture, storage, post process, retrieval, print, transfer and patient data storage.

Image display:

Two 18” TFT/ LCD high resolution, high contrast and flicker free monochrome monitors of at least 1024 x 1024 matrix

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

System functionality:

Vertical ,horizontal and orbital travel should be available C arm rotation +/- 130 degree or more.

The system should be DICOM ready

Accessories:

A)wrap around light weight vinyl lead aprons with 0.5 mm lead equivalence certified by BARC or AERB or ISO : 6 (six nos.)

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

Warranty (as specified in the tender document)

1. Comprehensive warranty for complete system including x-ray tubes and all vacuumatic items, ii and all accessories.
2. CMC for complete system including x-ray tubes, all vaccumatic items, ii and all accessories.
3. Acceptance tests as per international standard should be carried out at manufacturing facility as well as
4. installation site (including all safety and QA tests)

Item no:38**Tourniquet electronic**

1. Electrically operated system from reputed international manufacturers 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 475 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

Item no:39

Instrument Sets for Gynaecology	
<u>P.S. SET</u>	
Speculum Sims Duckbill Small	1
Speculum Sims Duckbill Medium	1
Speculum Sims Duckbill Large	1
Speculum Cuscus Small	1
Speculum Cuscus Medium	1
Speculum Cuscus Large	1
Forceps Valsellum 8"	2
Forceps Valsellum 10"	2
Forceps Valsellum 10" Atraumatic	2
Sponge Holder 10"	2
Sponge Holder 8"	2
Artery Forceos 8" curved	2
Retractor Anterior Vaginal Wall	1
S. S. Bowls 10 cm	2
S. S. Kidney Tray 8"	1
S. S. Tray 12" x 8" perforated with out lid	1
<u>DILATATION AND CURETTAGE SET</u>	
B.P.Handle No 3	3
Diss. Forceps Plain 8"	3
Diss. Forceps Tooth 7"	3
Towel Clip	24
Scissor Mayo St. 7"	3
Needle Holder – Mayo Hegar 7"	3
Artery Forceps Curved 6"	6
Sponge Holder St. 10"	6
Sponge Holder Curved 10"	3

Ovum Forceps	3
Stone Holding Forceps	3
Allis Forceps 6"	6
Allis Forceps 8"	6
Valsellum Forceps Big	6
Uterine Packing Forceps	3
Uterine Manipulator	3
Uterine Curette sharp, blunt	3
Uterine Curette sharp,	9
Uterine sound	3
Cervical Biopsy Punch	3
Anterior Vaginal Wall Retractor	3
Metal Catheter	3
Calvin's cannula medium,small,large	9
Sim's Speculam NO 1,2,3, One each	9
Female Dilator set (2 - 14 dilators)	3
Tenaculum	3
Double Ended Dilator Fine	3
Cusco's Speculum	6
Polyp Forceps (small)	3
Polyp Forceps (medium)	3
S.S.Bowls 10 cm	9
S.S.Kidney tray 12"	6
TUBOPLASTY SET	-
Allis forceps 6"	2
Aneurysm needle (curved to left)	1
Aneurysm needle (curved to right)	1
Artery forceps mosquito curved	6
Artery forceps mosquito straight	4
Babcock 6"	2
Dissecting forceps Adson Plain	1
Dissecting forceps Adson Toothed	1
Needle holder mayohegar 6"	1
Needle holder curved 8"	1
Probe with director	2
Probe grooved 6"	1
Langenback retractor medium	2
Scissors fine curved 4"	1
Scissors fine straight 4"	1
Micro forceps without teeth	1
Micro forceps with teeth	1
Micro Needle holder straight	1
Micro Needle holder curved	1
Micro Scissor straight	1
Micro Scissor curved	1
Blunt probe ligature conductor	1
Irrigator cannula 18 g	1

Irrigator cannula 20 g	1
S. S. Tray 12" x 8" perforated with out lid	1
Micro Instrument Case with silicon mat	1
PROCTOSCOPY SET	
PROCTOSCOPE SMALL	2
PROCTOSCOPE MED	2
PROCTOSCOPE LARGE	2
MATHIEU RECTAL SPECULUM	1
PARK ANAL RETRACTOR	1
SINUS FORCEPS 6	2
ARTERY FORCEPS 6" CURVED	6
RECTAL BIOPSY FORCEPS	1
S. S. Bowls 10 cm	2
S. S. Kidney Tray 8"	1
S. S. Tray 12" x 8" perforated with out lid	1
MTP SET	
Speculum Sims Duckbill Small	1
Speculum Sims Duckbill Medium	1
Speculum Sims Duckbill Large	1
Speculum Cuscus Small	1
Speculum Cuscus Medium	1
Speculum Cuscus Large	1
Forceps Valsellum 8"	2
Forceps Valsellum 10"	2
Forceps Valsellum 10" Atraumatic	2
Sponge Holder 10"	2
Sponge Holder 8"	2
Retractor Anterior Vaginal Wall	1
MTP cannulas size 4 to 12 (1 each)	9
Ovum forceps , str and cvd , 3 sizes each	6
Curette double ended , 5 sizes , 1 each	5
Curette single ended , 5 sizes , 1 each	5
Artery forceps 6" curved	6
Artery forceps 8" curved	6
S. S. Bowls 10 cm	2
S. S. Kidney Tray 8"	1
S. S. Tray 12" x 8" perforated with out lid	1
BIOPSY CERVICAL SET	
Speculum Sims Duckbill Small	1
Speculum Sims Duckbill Medium	1
Speculum Sims Duckbill Large	1
Speculum Cuscus Small	1
Speculum Cuscus Medium	1
Speculum Cuscus Large	1
Forceps Valsellum 8"	2
Forceps Valsellum 10"	2
Forceps Valsellum 10" Atraumatic	2
Sponge Holder 10"	2
Sponge Holder 8"	2
Artery forceps 6" curved	6

Artery forceps8" curved	6
Cervical Biopsy Forcep Shuberts	1
Cervical Biopsy Forcep , leech wilkinson	1
Allis Forceps 8"	2
S. S. Bowls 10 cm	2
S. S. Kidney Tray 8"	1
S. S. Tray 12" x 8" perforated with out lid	1
IUCD SET	
Speculum Sims Duckbill Small	1
Speculum Sims Duckbill Medium	1
Speculum Sims Duckbill Large	1
Speculum Cuscus Small	1
Speculum Cuscus Medium	1
Speculum Cuscus Large	1
Forceps Valsellum 8"	2
Forceps Valsellum 10"	2
Forceps Valsellum 10" Atraumatic	2
Sponge Holder 10"	2
Sponge Holder 8"	2
Artery forceps 6" curved	6
Artery forceps8" curved	6
IUCD Hook	2
Tennaculum Forceps 8"	2
Tennaculum Forceps 10"	2
S. S. Bowls 10 cm	2
S. S. Kidney Tray 8"	1
S. S. Tray 10" x 8" perforated with out lid	1
MVA SET	
MVA KIT PLUS AUTOCLAVABLE	1

Item no:40

Gynaec Surgery Laparoscopy High Definition Endovision System

- Laparoscopy TROLLEY
- Automatic Light source
- 220 V,300 W. Xenon Bulb
- Bulb Working life more than 500 Hrs.
- Bulb life counter on light source
- Stand By Mode via push button on light source console
- Universal Jaw Assembly to adapt any make of fiber optic cable without use of any adapters.
- Fiber optic Cable
- High Definition Monitor
- High definition monitor, resolution 1280 x 1024 DVI input.
- Option for wall mounting and desktop in same unit.
- CO2 Insufflator
- Minimum 40 Liter of high flow
- Microprocessor controlled unit

- Soft Approach Pressure control for safe recovery of abdominal pressure
- Gas heating
- HD Camera System
- Camera console with universal coupler & Autoclavable camera head
- Pure Digital signal with high definition video(1280*1024 native resolution)
- Progressive scan technology both on camera head & console
- Digital zoom & white balance on camera head
- Video Output
- 2 DVI output
- 2 SVHS & 1 RGB out put
- One Composite out put
- Ideal Eye/HD Laparoscopes, Fully Autoclavable with working length 300mm
- Wide angled distortion free view
- Universal adaptor for other light cable
- High quality sapphires and the latest rod lens technology for excellent transmission and detail recognition
- 30 degree, 10mm x 1
- 0 degree, 10mm x 1
- 30 degree, 5mm x 1
- All the Units should be US FDA Approved

Item no:41

Gynaec Surgery Laparoscopy Instruments

- Instrument set:
- Laparoscopic hand instruments (reusable) and rotatable
- Veress needle 12 cm length 1
- Veress needle 15 cm length 1
- Trocars sleeves 11 mm 3
- Reducer 11/5 mm 2
- Trocars sleeves 5.5 mm 3
- Trocars (pyramidal tip) 10 mm 2
- Trocars (pyramidal tip) 5 mm 2
- Maryland dissector 5mm with unipolar diathermy 1
- Atraumatic graspers, 5mm 2
- Tooth Grasper 5mm 2
- Metzenbaum scissors (5cm) with unipolar diathermy 2
- Laproscopic cautery lead 2
- Laproscopic bowel grasper 5mm, length 33-36 cm 1
- Laproscopic suction cannuala, 10 mm 1
- Laproscopic suction cannula 5 mm 1
- Bipolar Forceps 5mm Cilpenger type 1
- Bipolar cable 1
- Kelly Dissecting Forceps Long Jaws 5mm 1
- Fenestrated Long Jaw Forceps 5mm 1
- Dissecting & Grasping Forceps for ovaries 5mm 1
- PCOD Dissecting Needle 5mm 1
- Cidex Tray (Indian)-2

- Formalin Chamber (Indian)-2
- CCL Extractor
- Claw forceps

Item no:42

HYSTEROSCOPY SYSTEM

Hysteroscopy set – telescope 30 deg.

1. Diameter 4mm length 30 cm, Autoclavable x 1 No.
2. Examination sheath Diameter approx 5.4 mm x 1 No.
3. Continuous flow operating sheath approx 6mm x 1 No.
4. Operating sheath approx 5.4 mm x 1 No.
5. Deleted
6. Biopsy forceps, trough cutting single action jaws, approx 5FR x 2 No.
7. Scissor, signal action jaws, approx 5FR x 2 No.
8. Biopsy and grasping forceps approx 5FR x 2 No.
9. Hysteroscope pump for Diagnostic & operative Hysteroscopy, Roller Pump working 220 – 240VAC, pressure pre – Selection : - 150 - 200mm Hg, Flow regulation: 0 -500ml/mm. Equipments should be supplied along with set for at least 300 procedures X 1 No.
10. Suction Unit with following Essential accessories:
 - i. One pedal foot switch one stage x 1 No.
 - ii. Suction bottle 51 x 1 No.
 - iii. Bottle cap x 1 No.
 - iv. Bottle stand x 1 No.
 - v. Bottle stand holder x 1 No.

RESECTOSCOPE

To be compatible with Hysteroscope mentioned above.

1. Working element set consisting of x 1 set
 - i. One working element set.
 - ii. Two cutting loops.
 - iii. Two coagulating electrode.
 - iv. Two high frequency cord.
 - v. One protection tube.
2. Resectoscope sheath including connecting tubes
For in and out flow, approx 26 FR oblique beak,
Inner tube with ceramic insulation, rotatable x 1 No.
3. Standard obturator for use with approx 26FR sheath x 1 No.

Item no:43

Vacuum Extractor

1. Noiseless suction unit have fast vacuum built up
2. Vacuum should have maximum -90 k pa/-675 mm Hg, Suction capacity 50ltr/min/1kg/cm2 & bottle capacity 3ltrs
3. Suction system should have piston / cylinder (self lubricating)
4. Should have mechanical overflow protection system .
5. Set of silicon cups 50mm & 60mm-2each
6. Set of bird cups, stainless steel 40mm, 50mm & 60mm-2each

7. Machine can be operated on 220-240 V AC single phase
8. Should be provided with a gauge to display of vacuum generated
9. Should have vacuum release valve.

Item no:44

Fetal Monitor

The Unit should be compact
The unit should be CE certified
Should have Color TFT with tilt adjustments
Must have Twin monitoring facility
Should Waveform display and digits simultaneously
Pulse Doppler with 9 elements for better sensitivity
Advanced Digital Signal Process (DSP) Technology
Battery backup up to 3 hours
Inbuilt high resolution thermal array printer
Patient Data storage of 10 hours
Automatic Fetal Movement detection

Ultrasound

Technique: Auto corellation
Frequency:1 MHZ
Measurement range:50 to 210 bpm
Resolution:1 bpm
Intensity:< 10m W/sq cm
High alarm range:160, to, 180 bpm
Low alarm range:90, to, 120 bpm
Scaling:20 bpm
FHR chart width:7 cm

Toco

Technique:Strain gauge sensor element
Measurement range:0-100 Units
Chart width:4 cm
Resolution:1 mm Hg

Recorder

Type:High resolution thermal printer
Chart speed:1/2/3 cm/min
Record paper:Z fold, Thermo sensitive paper

Electrical

Power supply:100-240 VAC 50Hz \pm 10%
Power consumption:< 40 W
Inbuilt battery:Re-chargeable 8.4 V Li-ion
Battery operating time:3 hours
Speaker:1 W
Memory:10 Hrs

Display

Type:Color TFT LCD display size 7-10" with tilt adjustment
Unit should be provided with mobile cart and covers.

Item no: 45**Portable Ultrasound B & W**

- Portable ultrasound machine with biopsy attachment.
 - Scanning mode: linear and convex
 - Display mode: b mode, m mode and b+m
 - Monitor screen should be 10" high resolution latest technology
 - Display depth: 25 cm max
 - Magnification: 8 steps
 - Facility for image zoom, image reverse, image freeze and image magnification, reduction
 - Alphanumeric keyboard for character entry and character display
 - Gynecology measurement facility for uterus, cervix, special probe for gynecology to be provided
- 3.5mhz linear probe, 3.5mhz convex probe, ultrasound gel, biopsy attachment and black and white video printer with at least 10 no rolls.
Mobile stand.

Item no:46**AUTO – KERATO REFRACTOMETER****Objective Refractometer mode**

Sphere - 25 + 22 D in 0.25 D step (0.12 D step available)

Cylinder 0 to ± 8 D in step 0.25 D (0.12 D step available)

Axis 1 to 180 in 1 and 5 step

Minimum pupil diameter 2.0 mm

Method of relaxation Automatic fogging

Chart for objective testing Scenic picture

Cornial curvature mode

Cornial curvature radius 0.01 mm

Refraction index 1.3375

Corneal refraction 67.5 D – 33.75 D

Corneal astigmatism 0.12/0.25D

Corneal astigmatism axial angle 1 – 180

Measuring area 3 mm with 7.7 mm radius

Measuring step

Corneal curvature radius 0.01 mm

Cornial refraction 0.12/0.25 D

Corneal astigmatism 0.12/0.25 D

Corneal axis angle 1 / 5

Others

PD measurement 85 mm maxi in 1 mm step

Measuring start Auto start and manual

Corneal diameter measurement Yes

Pupil diameter Range 2 – 13 mm/step 0.25 mm

Measurement display TV monitor screen

Measurement recording Built in printer (upto 10 measurements each eye can be stored in memory)

Alignment Screen Display

Vertex distance 0, 12.0 & 13.75 mm (selective)

Energy saving Automatic switch off when left unused after 10 min

IOL Special IOL switch to adjust to circumstances of IOL wearers

Power supply 100, 120, 220, 240 V

Output RS – 232 C

The following requirements must be met.

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

- 8d to + 8 d (cyl)

Keratometry power : k1, k2: 5.5 to 10 mm

cyl: -10d to + 10d

ax: 0 to 180 degree

Minimum pupil diameter : 2.9 mm

Printed data : refractive power

corneal curvature

i.p.d

c.l.data

Motorized instrument stand

Practice eye

Contact lens holder.

Item no:47

SLIT LAMP

- Haag - Streit type Slit lamp
- Galilean converging binocular
- Magnification variable 5-step, range 6x - 40x
- Eyepieces 12.5x
- Field of view 44 to 6
- Interpupillary distance 48.5 to 80 mm
- Slit length 0.2 to 12 mm
- Slit width 0 - 12 mm
- Filters cobalt blue, red-free, grey & heat absorbing
- Slit rotation 0o - 180o
- Vertical Tilting Slit 0o to 20o
- Working distance 80 mm
- Fixation point luminous flexible red diode
- Chin rest height adjustable 70 mm
- Goldmann type Applanation tonometer
- Digital camera attachment with hardware & software for image processing and storage

Item no:48

STREAK RETINOSCOPE

The unique optical design provides the first truly bimodal Retinoscope with just a quick bulb change. A true streak or spot - no compromises.

Features

- Brilliant, bright halogen illumination
- Earth magnetic signke control for rotation, convergence and divergence
- Double neutralization check makes it easier for students

Two position apertures that optimize brightness of the retinal reflex

Item no:49

Surgical Instruments Sets for Cataract Surgery	
	Qty
Dastoor superior rectus forceps 1X 2 teeth	3
Dressing forceps	3
Towel clip	3
Tag forceps	3
Kelman Mc Phersons forceps smooth jaws 5mm platform, 7.5mm angled	3
Mc phersons tying forceps	3
Tenotomy scissors curved, blunt tips medium blades	3
Barraquer colibri forceps	3
Lims forceps	3
St. Martin forceps	3
Fixation forceps 1X2	3
Artery forceps	3
Sinsky hook	3
Kuglan hook	3
Thornton marker	3
Scalpel blades no 15	3
B.P bade handle	3
Corneal scissors universal, curved, blunt tips, medium blades	3
Mc phersons westcott scissors	3
Vannas capsulotomy scissors sharp tips	3
Westcott scissors	3
Barraquer iris scissors	3
Castroviejo caliper 20mm spread,	3
CASTROVIEJO eye speculam (14mm blades) Fenestrated blades with screw controlled 30mm spread- indo german	3
LIEBERMAN Eye speculum with adjustable screw mechanism	3
Barraquer wire speculum large	3
SIMCOE irrigating and aspirating cannula 23 gauge curved shaft with 0.3mm top aspirating port with silicone tubing	3
Eye scissors delicate pointed tips ring handle curved	3
Carbon blades (pkt of 100)	3
Barraquer blade breaker and holder flat handle with spring lock	3
Without lock TROUTMAN needle holder micro strongly curved 10mm long jaws	3
With lock TROUTMAN needle holder micro strongly curved 10mm long jaws	3
Barraquer needle holder very delicate jaws ideal for 8-0 to 11-0 suture	3
Castroviejo cyclodialysis spatula double ended 0.25mm wide	3
Castroviejo cyclodialysis spatula double ended 0.50mm wide	3
Posterior capsule NIGHTINGALE capsule polishing currette with 1.75mm dia open ring	3
KNOLLE irrigating vectis 23 gauge 5mm wide by 9mm long loop with three irrigating ports- Indo German	3
INDO-GEM Hydro-dissection cannula angled 11mm shaft sizes:25,26,27 gauge	3
Air injection cannula	3
A.C wash cannula	3
502 Utrata capsulorhexis forceps straight shaft castroviejo handle overall length 110mm	3
Kratz intra- ocular lens implanting forceps overall length 105mm	3

Sterilisation case with 2 mats	3
KEENER-ARLT Lens loop curved 3mm wide serrations on top for small incision surgery	3

Item no:50

Binocular Operating Microscope
MICROSCOPE:
· Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio. Magnification factor 0.4X to 2.4X.
· Focusing range 50mm, Objective lens f= 200mm, 65mm diameter.
· Binocular tube: Tilttable tube with integrated image inverter without any external attachment.
· Eyepices: 10X with +8D to -5 D compensator.
· Deepview: Depth of field management system for optimal depth perception & maximum light transmission.
ILLUMINATION :
· Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of Red reflex even with strongly pigmented decentered and ametropic eye.
· Retina Protection Device and contrast enhancement aperture.
· Integrated 408nm UV barrier filter/ Blue blocking filter/ fluorescence filter.
X Y COUPLING:
· Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility. X-Y Range should be at least 60mm x 60mm adjustable range.
· Stereo co observation attachment with 360 Rotation -2 joints .
SUSPENSION SYSTEM:
· 14 function wireless foot control, Motorized foot controlled Zoom and focus with re-centering of focussing position through foot control. Image inversion facility on foot control.
· High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of atleast 14Kg or More.
· Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal.
· Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp with in built lamp housing with two lamps, with automatic Lamp changeover facility.
CCTV ATTACHMENT:
· 1 CCD Camera with camera control unit, control unit should be integrated in the in the floor stand. Video o/p S video & analog through the stand & programming through LCD display in the floor stand.
NETWORKING:
· Ethernet interface for microscope i incl. 10 m cable
WIDE ANGLED VIEWING SYSTEM:
· Wide angled Non Contact observation/ viewing system (autoclave able) with field of viewing 120deg.(minimum). With independent focussing

Item no:51**Flash autoclave**

- Small size chamber 8" diaX14" depth
- Chamber and door made of stainless steel and all the joints are Argon arc welded
- Operates at 134 deg centigrade for instruments but possible to run at 121deg centigrade as regular speed steriliser for LINEN/GAUSE/COTTON & INSTRUMENTS, if so desired
- Well insulated to minimise heat loss
- Safety valves incorporated
- Imported / equivalent heater for rapid heating
- Door latch to prevent accidental door opening
- Powder coated metal cabinet (S.S cabinet optional)
- Silicone gasket on door having long life
- Auto condensation system converts steam to hot water in the reservoir enabling hot water usage for subsequent cycle
- Digital temperature indicator cum controller provided
- Auto reset sterilising and drying timer provided
- Outstanding features:
- Rapid sterilization
- Table top and user friendly
- Power saver: consumes 0.5 unit per cycle
- Requires 15 amps socket
- Simple to operate, requires minimum maintenance
- Almost dry instruments after the cycle
- Minimum water consumption, 1 litre per cycle
- A rack provided with 3 perforated stainless steel trays
- Sterilizing time: 7 minutes actual time ,10-12 minutes preheating time
- Cycle run is automatic and other operations are manual
- Temperature auto cut off system incorporated at 134 centigrade while drying timer is on to prevent accidental rise in temperature

Item no:52**Digital acuity system**

- Flat panel visual acuity system features
- A large 17" LCD display and wireless remote
- Latest technology in acuity systems
- Wide selection of optotypes and tests
- Contrast sensitivity
- ETDRS charts
- Programmable or random sequencing
- Easy to use remote control
- Featuring little director™ pediatric fixation
- Customizable test sequence
- Red/green duochrome available for all charts
- White optotypes on black background available for all charts
- Worth 4 dot test

- Single fixation dot
- Full randomization of all charts
- A variety of selections for isolation of lines and letters
- Corner acuity indicator
- Astigmatic dials and fixation disparity
- Cycle timer for hands free randomization
- Fixation animation
- Range from 20/10-20/400
- Reversible for mirrored rooms
- Charts
- Snellen
- HOTV
- Numbers
- Allen pictures
- Shown with little director™ animated pediatric fixation
- Tumbling E's
- ETDRS charts
- Contrast
- General specifications
- Operating system
- Windows® XP
- Processor
- Intel pentium 4
- Dimensions/ Weight
- 16.1"Wx13.9"Hx3.78"D (w/o stand)
- 16.1"Wx17"Hx8.5"D (w/stand)
- 25.5 lb (w/stand)
- 21.6lb (w/o stand)
- Video
- Integrated intel GMA graphics
- Display
- 17" SXGA LCD panel,1280X1024
- Storage
- 80GB 2.5" hard drive, DVD/CD-RW combo drive
- Network interface
- Integrated intel 10/100/1000 Gbit ethernet
- Wireless LAN
- 802.11b,g wireless LAN
- Audio
- 2-CHANNEL High definition audio, integrated 2X speakers
- Power
- Input: AC/100-240V (50/60Hz) 4.0A
- Certification
- FCC,CE,UL
- Meets minimum specifications of eyemaginations 3D- eye office™ Version 4.2

Item no:53**LED Digital binocular indirect ophthalmoscope**

- The unique wide angle diffuser expands the illumination to provide an increased field with reduced alignment requirements
- Mirror adjustments for angle and height are now independent from the converging optics.
- This minimizes reflections and optimizes stereopsis through all pupil sizes, ensuring shadow free images.
- Unique features:
- True digital imaging
- Software allows you to use your laptop or any interface to optimize the examination, provide still or dynamic images, which aid in the documentation and diagnosis.
- Variable mirror height control (independent from converging optics) ability to raise and lower the light source without converging the viewing optics.
- The optics form three inverted images in the plane of the patients pupils: one for the light source and two for the observers pupils. All of these images are movable in the plane of the patient's pupil for optimum viewing and stereopsis.
- HiMag gives you an additional 1.6X magnification than with a condensing lens and provides excellent stereoscopic images.
- You can view the disc, macula and vessels in greater detail without moving the patient to the slit lamp.
- Scratch resistant coated optics guarantee high quality images at all times and HiMag can simply be flipped out of your field of view when not required.

Item no:54**Visual field analyser**

- HFA II-I 750i
- Test specifications
- Maximum temporal range (degrees) 89
- Stimulus duration 200ms
- Visual field testing distance 30cm
- Background illumination 31.5 ASB
- Threshold test library
- 24-2,30-2,10-2 macula
- 60-4, nasal step
- Threshold test strategies
- SITA standard, SITA fast, full threshold, fast pac
- SITA -SWAP
- Screening test library
- C40,C64,C76,C80 C-Armaly
- Peripheral test patterns
- Screening test modes
- Age corrected
- Threshold related, single intensity
- Specialty test library
- Social security disability, monocular,binocular

- Superior 36,64
- Kinetic testing
- Custom testing
- Fixation control
- Heijl/Krakau blind spot monitor
- Video eye monitor
- Gaze tracking
- Head tracking
- Vertex monitoring
- Remote video eye monitor capability
- Operator interface
- Touch screen CRT with keyboard
- Stimulus
- White on white
- Red or blue on white
- Blue on yellow (SWAP)
- General testing features
- Stimulus sizes goldmann I-V
- Foveal threshold testing
- Automatic pupil measurement
- User defined test storage
- Software features
- Visual field Index (VFI)
- Easy connect RCT
- HFA-NET Pro
- Glaucoma Hemified test (GHT)
- DICOM Gateway
- Guided progression analysis (GPA)
- STATPAC 2- single field analysis
- Serial field overview
- Networking
- Printer
- Table mounted or external B/W laser printer
- Data storage, retrieval and analysis
- Hard drive 40 GB
- 3.5" floppy drive
- Magneto- optical disk drive
- Electrical requirements 100-120V, 50/60 hz

Item no:55

A scan

- **Scan modes:**
- Direct contact or immersion
- **Cataract**
- Dense cataract
- **Aphakic**
- Pseudophakic (5 settings)

- Manual
- Review screen for A- scan
- Measurement review capability
- Measurements:
- ACD
- lens
- Vitreous
- Axial
- Average with standard deviation
- Individual zone velocities
- Clinical accuracy
- (+/-0.10mm)
- Accuracy
- Electrical accuracy
- (+/- 0.0484mm)
- Formulas
- Refractive: Binkhorst, regression-II, theoretic/T, holladay, hoffer-Q, haigis
- Post refractive: Latkany Myopic regression, Aramberri double-K

Item no:56

Non contact tonometer

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

Item no:57

Emergency Resuscitation Kit (imported)

1. To have Retromolar Intubation fiberscope for unexpected difficult airways.
 - a. Tip Distal Bending 40°.
 - b. To be movable eyepiece
 - c. To have a light source connection
 - d. With length 40-42cms and dia 5-6 cms.

- e. ET tube holder should be provided
- f. Should take min. 5.5 size of ET tube
2. Portable LED light source should be provided
 - i. with illumination not less than 50000 Lux
 - ii. should run on two 3v photo batteries
 - iii. burning life should be more than 100 minutes
 - iv. ergonomically designed and can be connected to both the fibrescopes
 - v. life of LED should be close to 50000 hrs
3. One Laryngoscope with rechargeable battery pack and blade with fibreoptic mechanism should be provided to be used on both adult and pediatric patients with charger.
4. Other accessories like, magill forceps should be provided.
5. Should have Emergency Cricothyroidotomy for pediatric and adult
 - i. disposable blades
 - ii. dialator
6. Should have Combitube size 37Fr.
 - i. with complete kit
7. Should have Intubating Laryngeal Mask Airways with Following Components:
 - a. ILMA Sizes 3 & 4.
 - b. ILMA Tubes ID 7mm & 7.5mm.
 - c. Tube Stabilizing rod
 - d. Cuff deflator
8. Should have Laryngeal Mask Airways
 - i. sizes 1,2 and 4
9. Handy and strong brief case/bag should be provided to keep all the instruments safe.
10. Set of disposable percutaneous tracheotomy kit for adult and pediatric.
11. Should have standard AMBU bag for pediatric and adult.
12. Mechanical suction pump with suction catheter and stomach tubes.
13. Should have Aluminum Oxygen reservoir 2 Liter with oxygen tube and catheter.
14. Oxygen pressure reducer, regulable 0-15 liter with coupler for respirator.
15. Ventilating bag
16. Lubricant
17. Blood pressure meter, boso K-II
18. Stethoscope
19. Rescue blanket gold/silver

Item no:58

General Surgery Laparoscopy Instruments

Instrument set:

- Laparoscopic hand instruments (reusable) and rotatable
- Veress needle 12 cm length 1
- Veress needle 15 cm length 1
- Trocars sleeves 11 mm 3
- Reducer 11/5 mm 2
- Trocars sleeves 5.5 mm 3
- Trocars (pyramidal tip) 10 mm 2
- Trocars (pyramidal tip) 5 mm 2
- Maryland dissector 5mm with unipolar diathermy 2
- Atraumatic graspers, 5mm 2

- Tooth Grasper 5mm 2
- Metzenbaum scissors (5cm) with unipolar diathermy 2
- Laproscopic cautery lead 2
- L shaped hook electrode 5mm 2
- Laproscopic bowel grasper 5mm, length 33-36 cm 1
- Laproscopic suction cannula, 10 mm 1
- Laparoscopic suction cannula 5 mm 1
- Clip applicator 10 mm for Large, Medium Large, Small Clips
- Claw Forcep 10mm 1
- Babcock forcep 1
- Cidex Tray (Indian)-2

Item no:59

General Surgery Instrument Set	
Deaver retractor with light source	1
Roberts Artery	5
nerve hook (sharp and blunt)	1
mixter 8"	2
Vein loop retractor	1
Bladder retractor millin	1
Lung retractor Allison	1
Lung spreader	1
Lung holding forceps	1
Lung grasping forceps	1
Ring retractor with four blades	1
Balfour's retractor adult	2
Aneurysm needle	1
Skin graft handle with holder (2)	1
Diamond forceps	2
CLIP APPLICATOR ALL SIZES	32
Vagotomy hook	1
Deaver retractor set	4
male dilators x 3	48
metal catheter	1
female dilators x 3 HEGAR UTERINE DILATORS SET 14 PIECES PER SET 4.0,-17.0 MM 18.5 cm,7,1/4"	3
folly's adopter	3
Farabeuff retractor	1
Lord's dilator (for fissure fistula)	1
Vericos vein stripper Consist of:	2 each
NABATOFF VARICOSE VEIN PROBE SET WITH: 1 metal case , 1 handle,1 metal probe tip,1 plastic probe tip, 1 metal olive 6 mm, 1 metal olive 9 mm, 1 metal olive 12 mm, 1 flexible cable	
Currete assorted set of six	6
Mouth gag (Cheek retractor)	2

LAPROTOMY EXTRAS	
Robert's artery forceps curved 8"	6
Artery forceps curved 9" fine	4
Kochers Clamps 9" curved	4
Kochers Clamps 9" straight	4
Scissors Mc Indo Curved 9"	1
Needle Holder 8" Mayo hegar	1
Needle Holder 9" debakey	1
Diss. Forceps plain 9"	2
Diss. Forceps tooth 9"	2
Sponge Holder 10"	4
B.P. Handle No.7	1
B.P. Handle No.7L	1
B.P. Handle No.4L	1
Intestinal Clamp Straight Adult	4
Intestinal Clamp curved Adult	4
Kelley Retractor (Big)	2
Kelley Retractor (Small)	2
Retractor Doyens	2
Retractor Deaver's adult	1
Retractors Lengenback 1.5cm X 3cm	2
Retractors Lengenback 1cm X 4.5cm	2
Retractors Malleable 4.5 X 30cm	1
Suction tip Pooles	1
Payr's intestinal clamp	2
A. V. FISTULA EXTRAS	
Dissecting forceps toothed 6"(fine)	1
Dissecting forceps plain 6"(fine)	1
Towel clip	6
Mayo scissors 6"st.	1
Mayo scissors 5"cd	1
Iris scissor cd.	1
Iris scissor st.	1
Needle holder fine 4",5"	1
	1
Mosq. Artery forceps st.baby	2
Mosq. Artery forceps cd.baby	2
Probe with eye	1
Mostoid self retaining retractor small	1
Diss. Forceps attrigrip 5"	1
Mixture clamp 5"	1
Lacrymal duct	1

Langenback retractor small	2
Micro	
Dissecting forceps micro plain 6"	1
Dissecting forceps micro plain 6"ang.	1
Spring scissors 5" curved	1
Spring scissors 6" straight	1
Spring scissors 6", 45 deg. Potts	1
Needle holder spring 6" curved	1
Needle holder spring 6" straight	1
Venesection cannula 16,18,20	1
Bull dog clamps 2" (jaw size 1") st.ang.	2 Each
Bull dog clamps 2" spring cd.	2
Jweller forceps	1
SKIN GRAFTING EXTRAS	
Needle holder fine 5" & 6"	1
Needle holder gillies	1
Scissors mayo straight 5"	1
Scissors metz.4.5", 5" 6"	1 Each
Perostal elevator	1
Skin graft handle with scale	1
TRACHEOSTOMY SET	
B. P. Handle No.3	1
Towel clip 5"	4
Dissecting forceps toothed 6"	1
Dissecting forceps toothed 6"	1
Scissors mayo straight 7"	1
Scissors metz. curved 7"	1
Scissors pointed 5"	1
Needle holder 6"	1
Mosquito artery forceps st	2
Mosquito artery forceps cd	2
Artery forceps cd. 6"	2
Sponge holder 8"	2
Two prong retractor blunt	2
Tracheal dilator	1
Langenback retractor small (1 x 2 cm)	2
Self retaining retractor small mastoid	1
Kilner retractor	2
Sharp hook	1
S.S.Bowls	4
S.S.Kidney tray 10"	2

Item no:60**ECG machine 12 channel**

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

Item no:61**Biphasic Defibrillator**

- Biphasic
 - Waveform display (min 3)
 - External energy selection from 2 J to 200 J, biphasic
 - Charging time less than 8 seconds @ 200 J (with a charged battery)
 - Synchronizer and cardio version
 - Unique disarm button (in addition to automatic time delay)
 - Should come with high resolution monitor.
 - Should come with 3 lead ECG that can be measured from cables, adult external paddles, paediatric paddles.
 - Heart rate: 20 to 300 bpm BPM with user selectable alarms.
 - Should come with external pacing, demand and asynchronous modes
 - Should display CPR in real time
 - Should have large internal memory that stores and prints 25 ECG events.
 - Battery to last not less than 2 hours of continuous ECG monitoring or 30 full energy discharges.
 - Battery indicator on display and self test on battery
- Accessories needed
- Paddles with remote energy selection, charge and discharge buttons on paddles.
 - Pediatric paddles adapters (set of 2)
 - A/c 240 v V 50 hz charger and mains power source. Adult paddles and test paddles.
 - 3 lead patient cable
 - One spare battery
 - Roll of 50mm recording paper x 10 rolls
 - 5 oz tube of defibrillation gel x 5 tubes

- ECG cable with leads- 2 sets.
- External disposable pacing pads-2 sets
- Operation manual, service manual complete.

Item no:62

Pulse Oximeter

- It monitors from -neonate to adult.
- To track oxygen saturation even during low perfusion condition.
- Set seconds alarm management technology avoids unnecessary alarm & distraction during monitoring of severe motion patients.
- Display for better monitoring.
- Dual colour LED for differentiating normal mode & alarm mode.
- Internal battery provides minimum of 8 hours backup.
- 10 segment LED bar graph for pulse strength monitoring.
- Facility for computer interface & printer connectivity
- Individual alarm settings for Sao2 & pulse rate
- Compatible with the complete range of disposable & reusable sensors.
- Built-in battery charger with charger indication.

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 functioning 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 functioning 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 functioning 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	
				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 _____
 Signature of Tenderer _____
 Seal of Tenderer _____

Place: _____

Date: _____

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

Signature of Tenderer_____

Seal of the Tenderer_____

Place: _____

Date: _____

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)]
			1 st	2 nd	3 rd	4 th	5 th	
			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 vacuummatic parts, _____ & _____) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

Section XV of the TE document, along with the signed copy of CMC within a period of 21 (twenty one) days of issue of CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

- h) If there is any lapse in the performance of the CMC as per contract, the proceeds CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** _____ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

**(Signature, name and address of
Hospital/Institute/Medical College's authorised official)
For and on behalf of _____**

Received and accepted this contract

(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

SECTION – XVII
CONSIGNEE RECEIPT CERTIFICATE
(To be given by consignee's authorized representative)

The following store (s) has/have been received on said to contain basis in good condition:

- 1) Contract No. & date : _____
- 2) Supplier's Name : _____
- 3) Consignee's Name & Address with
telephone No. & Fax No. : _____
- 4) Name of the item supplied : _____
- 5) No of cartons received which are said:
Which are said to contain the items (List of items in each carton to be given.)
: _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Authorized
Representative of Consignee with
date : _____
- 9) Seal of the Consignee : _____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment/plant.

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

- (a) Contract No _____ dated _____
- (b) Description of the equipment(s)/plants: _____
- (c) Equipment(s)/ plant(s) nos.: _____
- (d) Quantity: _____
- (e) Bill of Loading/Air Way Bill/Railway
 Receipt/ Goods Consignment Note no _____ dated _____
- (f) Name of the vessel/ Transporter: _____
- (g) Name of the Consignee: _____
- (h) Date of commissioning and proving test: _____

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

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

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfil its contractual obligations with regard to the following:

He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.

He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

The supplier as specified in the contract has not done training of personnel.

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

is _____.
The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is _____ (here indicate the amount).

Signature

Name:

Designation with stamp

Explanatory notes for filling up the certificate:

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

SECTION – XIX

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

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

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

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

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

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

3. ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

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

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

For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should give adequate notice about the readiness of each consignment from time to time at least six weeks in advance of the required position to M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

4. SHIPMENT FROM POLAND & CZECHOSLOVAKIA

- (i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.

Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSHART, 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, EGYPT

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: TRANSHART, 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: TRANSHART, 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: TRANSHART, 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: TRANSHART, 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: TRANSHART, 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 and address of the 'Port Consignee' and 'Ultimate' both should be indicated).

(ii) F.O.R SHIPMENTS

The Bills of lading should be drawn indicating shipper Consignee as under:

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

1. Moreover the name of the 'Purchaser' and 'Ultimate' Consignee should appear in the body of the Bills of Lading as the 'Notify' or as a remark.
2. Two non-negotiable copies of the Bills of Lading indicating the freight amount and discount, if any allowed, should be forwarded to The Shipping Co-ordination Officer, Ministry of surface Transport (Chartering Wing), New Delhi after the shipment of each consignment is effected.
3. The seller should avoid the use of over-aged vessels for the shipment of the goods under the contract and if so used the cost of additional. Insurance, if any, shall be borne by the seller.

SECTION – XX

CHECKLIST

Name of Tenderer:

Name of Manufacturer:

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
1.	Have you enclosed EMD of required amount for the quoted schedules?			
2(a).	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
2(b).	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
3.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
4(a).	Have you enclosed duly filled Tender Form as per format in Section X?			
4(b).	Have you enclosed Power of Attorney/ Authorisation in favour of the signatory?			
5.	Have you submitted manufacturer's authorization as per Section XIV?			
6.	Have you submitted the certificate of incorporation?			
7(a).	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
7(b).	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			

Sl. No.	Activity	Yes/ No/ NA	Page No. in the Tender document	Remarks
8.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
9.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
10.	Have you submitted the Quality Control Requirements as per Proforma given in Section VIII of TE document?			
11.	Have you accepted delivery period as per TE document?			
12.	Have you accepted the terms of delivery as per 'DDP at consignee site basis'?			
13.	Have you accepted the warranty/CMC as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you fully accepted payment terms as per TE document?			
16(a)	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
16(b)	Have you submitted satisfactory end user performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
17.	Have you submitted copy of the order(s) against the above end user certificate (s)?			
18.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

N.B.

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

(Signature with date)

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

For and on behalf of

(Name, address and stamp of the tendering firm)

Section – XXI**Consignee addresses**

**EMPLOYEES' STATE INSURANCE CORPORATION HOSPITAL
PARIPPALLY, KOLLAM, KERALA -691574**

Ph: 0474–2575070, 2572052, 2575058, 2575059 Fax: 0474-2575050

Email: ms-ppy.ker@esic.nic.in & esihparippally@gmail.com

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