TENDER DOCUMENT FOR

SITC OF MEDICAL EQUIPMENT ,MEDICAL FURNITURE, GENERAL ITEMS AND CONSUMABLES FOR THE SETTING UP OF EMERGENCY AND CRITICAL CARE DEPARTMENT AT ALAPPUZHA MEDICAL COLLEGE

TENDER NO.HLL/ID/14/13

JANUARY 2014

BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)
Infrastructure Development Division
Trivandrum – 695006.
Website : www.lifecarehll.com

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HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)

TENDER NO. HLL/ID/14/14 **Dated: 28.01.2014**

NOTICE INVITING TENDERS (NIT)

Infrastructure Development Division of HLL Lifecare Limited (a Govt of India Enterprise) on behalf of Principal Medical college invites sealed tenders, from eligible tenderers for the SITC of equipments for the setting up of emergency and critical care department at at Kottayam Medical College

SL NO	DESCRIPTION	SCHEDULE
I.	Estimated cost of work	Rs 5,80,66,650/-
II.	Starting dates & closing date of downloading the docments	30.01.2014 - 14.02.2014
III.	Tender docments	Tender docments can be downloaded from www.lifecarehll.com or Central Public Procurement Portal.The cost of docment in the form of DD shall be submitted along with tender docment otherwise the tender may summarily be rejected
IV.	Cost of tender form (Non-refundable)	Rs 1575/- (Rupees One thousand five hundred and seventy five only)Payable by a Demand draft drawn on a scheduled bank in India in favour of "HLL Lifecare Limited" at Thiruvananthapuram.

SL NO	DESCRIPTION	SCHEDULE
V.	Last date of Submission of queries	04.02.2014
VI.	Pre bid Meeting at **HLL Lifecare Ltd, (Bio Medical Office), TENRA 22,TC 24/606,Palathinkara, Thycaud,Trivandrum-695014** **Ph: 0471 2330447**	04.02.2014 at 11.15 am
VII.	Closing date & time of submission of tender	14.02.2014 at 2.00 pm
VIII.	Time and date of opening of Techno-commercial tenders at ID Office at Vettamukku,Trivandrum	15.02.2014 at 11.30 am
IX.	Completion period of work	2 months from the date of LOA or handing over of site whichever is later
X.	Mode of quoting & Earnest Money deposit	**Evaluation of Bids** Group A, Each item will be evaluated separately Group B -Furniture, Group C -General Items - Group D- Consumables If minimum 3 eligible bidders do not quote for all items, for a particular group, the group items will be regrouped for evaluation as follows. The bids of bidders who quote for more than 60 % of the item will be taken for group evaluation and the items for which all of them quote in common will be grouped for evaluation and the lowest will be selected. For balance of items, the bids of all the eligible bidders will be evaluated item wise individually.

SN	NAME OF THE ITEM	QTY	EMD
PART-A) MEDICAL EQUIPMENTS			
1	ABG Analyzer with ISE	2	2800
2	Alpha (ripple) motor with mattress	8	960
3	Ambubag	12	720
4	BIPAP Machine	4	24000
5	Defibrillator with monitor	6	36000
6	Diagnostic set	6	2400
7	ECG machine-12 channel	1	3000
8	Digital (Electronic) BP apparatus	16	1600
9	Examination lamp - mobile- 5000lux	6	960
10	Flexible fiberoptic bronchoscope	1	50000
11	Fluid warmer	8	20000
12	Glucometer	14	420
13	Heavy duty Electrical suction M/C	10	4000
14	ICU ventilator	16	384000
15	Infusion pump	2	2400
16	Minor Operation theatre light	2	1600
17	Non Invasive Cardiac output Monitor	1	14000
18	Non Invasive Ventilator	3	24000
19	Patient monitor - 3 Parameter	11	79000
20	Patient monitor - 5Parameter	2	16000
21	Patient monitor - 5Parameter wih central station	12	96000
22	Patient monitor - 5Parameter with central station	18	144000
23	Patient warmer	8	32000
24	Pharmaceutical Refrigerator	1	6000
25	Pneumatic leg compression devie	6	48000
26	Portable (Tansport)patient monitor	2	16000
27	Portable Ultrasound Machine	1	60000
28	Portable Ventilator	2	20000
29	Portable X ray-100 mA	1	20000
30	Pulse oximeter	2	2000
31	Sphygmomanometer	17	340
32	Stethoscope	17	340
33	Syringe pump	54	43200
34	Table top autoclave (sterilizer)	2	16000
35	Digital (Electronic) Thermometer	17	680

36	Ultrasonic Nebulizer	17	2040
37	Video laryngoscope	1	12000
38	X ray viewing panel	3	600
FURNITURES			
1	Arm chair - swivel- Medium (staff chair)	30	3000
2	Bedside locker	35	3500
3	Change bench	2	200
4	Change Locker -12 compartments	2	1000
5	Clean linen trolley	1	300
6	Conference room table	1	600
7	Crash Cart	5	4000
8	Cupboard with wardrobe	7	1400
9	Dirty linen hamper -Single	4	480
10	Dressing trolley	7	2800
11	Emergency Trolley	3	3000
12	Floor cleaning trolley	1	400
13	IV stand	43	2080
14	Junior Executive Chair	3	720
15	Junior Executive table	1	140
16	Medicine trolley	3	1200
17	Mobile Bedside Screen	6	720
18	Multi seater chair –3 seater	15	7500
19	Office table	3	360
20	Open Slotted angle storage shelves	15	9000
21	Overbed Table	41	5740
22	Patient Bed - 4section	32	32000
23	Patient Bed -2section	9	5400
24	Patient Trolley	10	4000
25	Procedure bed	2	800
26	Single cot with matress	4	720
27	Visitors chair	7	700
28	Waste bin-SS	21	630
29	Water dispenser with cold & hot outlet	1	200
30	Wheel Chair	6	960
31	White Board	1	100
GENERAL ITEMS			
1	Computer	4	3000
2	Clock	4	160
3	Hand Dryer	6	2000
4	Induction Cooker	2	160
5	Phone	4	40

6	Refrigerator-200 L	2	600
7	Television	1	400
8	Torch	16	160
9	Vacuum cleaner	1	240
CONSUMABLES			
1	Pressure infusion bag	10	500

EMD SHALL BE SEPARATELY GIVEN FOR EACH GROUP.

EMD SHALL BE THE SUM OF THE INDIVIDUAL EMD'S INDICATED FOR THE ITEMS THE BIDDER INTENDS TO QUOTE.

1. Tenders, complete in all respects, along with requisite EMD may be submitted at the address given below on or before the closing date and time indicated above.

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

3. TE document seeks quotation following **two Tender Systems**, 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'** and **'Price Tender'** separately and covers will be suitably super scribed. **The name of the Equipments Quoted in a Group should be super scribed the envelope.**

   All Tenderers are hereby cautioned that tenders containing any material deviation or reservation as described in Clause 27.5 of "General Instructions to Tenderers"(GIT) and/ or without quoting the cost shall be considered as non-responsive and shall be summarily rejected.

Deputy Vice President (Tech)
HLL Lifecare Limited
Infrastructure Development Division

SECTION - II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

SECTION – II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)

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, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment,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, loading & unloading, 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 (Medical College) person to whom the goods are required to be delivered as specified in the Contract.
(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) "SSI" means Small Scale Industry
(xii) "LC" means Letter of Credit
(xiii) "DP" means Delivery Period
(xiv) "BG" means Bank Guarantee
(xv) "ED" means Excise Duty
(xvi) "CD" means Custom Duty
(xvii) "VAT" means Value Added Tax
(xviii) "CENVAT" means Central Value Added Tax
(xix) "CST" means Central Sales Tax
(xx) "RR" means Railway Receipt
(xxi) "BL" means Bill of Lading
(xxii) "FOB" means Free on Board
(xxiii) "FCA" means Free Carrier
(xxiv) "FOR" means Free On Rail
(xxv) "CIF" means Cost, Insurance and Freight
(xxvi) "CIP (Destinations)" means Carriage and Insurance Paid up to named port of destination. Additionally the Insurance, local transportation and storage shall be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.
(xxvii) "DDP" means Delivery Duty Paid named place of destination (consignee site)
(xxviii) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening

(xxix) "CMC" means Comprehensive Maintenance Contract
(xxx) "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 – V – "List of Requirements", which also indicates, *interalia,* the required delivery schedule, terms and place of delivery.

2.2 This section (Section II - "General Instruction 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. Availability of Funds

3.1 Expenditure to be incurred for the proposed purchase will be met from the funds available with the purchaser/consignee.

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 an 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 English translation, in which case, for purpose of interpretation of the tender etc, the English translations shall prevail.

5. Eligible Tenderers

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

6. Eligible Goods and Services

6.1 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

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – General Conditions of Contract (GCC)
- Section IV – Special Conditions of Contract (SCC)
- Section V – List of Requirements
- Section VI – Technical Specifications
- Section VII – Quality Control Requirements
- Section VIII – Qualification Criteria
- Section IX – Tender Form
- Section X – Price Schedules
- Section XI – Check List
- Section XII – Bank Guarantee Form for EMD
- Section XIII – Bank Guarantee Form for Performance Security/CMC Security
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Contract Form' A '
- Section XVI - Contract Form 'B'
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII– Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Consignee address postponed

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 etc to proceed further.

9. Amendments to TE documents

9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.

9.2 Such an amendment will be notified in writing by registered/speed post or by fax/telex/e-mail, followed by copy of the same by registered post to all prospective tenderers, which have received the TE documents and will be binding on them.

9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of TE documents

10.1 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 in writing to such request provided the same is received by the purchaser not later than fifteen days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
ii) Tender Form as per Section IX (Un priced).
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 Form.
v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form
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) Price Schedule(s) as per Section X filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
viii) Certificate of Incorporation in the country of origin.

ix) Checklist as per Section XI.
x) Technical data/compliance sheets and pamphlets if any of all equipments

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

The information given at clause no. 11.1 A) ii) & 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.

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 X 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, same should be clarified as "NA" by the tenderer.

13.2 **The tenderer has the option to submit their offer as**

Group A, Each item will be evaluated separately
Group B -Furniture, Group C -General Items - Group D- Consumables
If minimum 3 eligible bidders do not quote for all items, for a particular group, the group items will be regrouped for evaluation as follows. The bids of bidders who quote for more than 60 % of the item will be taken for group evaluation and the items for which all of them quote in common will be grouped for evaluation and the lowest will be selected. For balance of items, the bids of all the eligible bidders will be evaluated item wise individually.

The tenderer shall quote for the complete requirement of goods and services as specified against a particular item.

13.3 The quoted prices for goods from are to be indicated in the applicable Price Schedules attached under Section X.

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 goods in India if the contract is awarded;
c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, 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 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 The price will be taken inclusive of all duties and taxes and no claim for the same will be entertained later.

13.5.2 Excise Duty:

a) Tenderer should quote a price inclusive of excise duty. If he 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.
b) Subject to sub clauses 13.5.2 (a) 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, Service Tax and Works Contract Tax:**

Tenderer should quote rates inclusive of sales tax/ VAT, Service Tax and Works Contract Tax. 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:

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser.
However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.5 Customs Duty:

The Supplier will pay the Customs duty wherever applicable. The duty shall be specified in the quote and exemption if any will be passed on to the purchaser.

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 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.

The quoted price shall be inclusive of all taxes and duties whether payable by the contractor or to be deducted at source. This shall include those applicable among VAT, Sales Tax, Income Tax,

Customs Duty, Excise Duty, Turnover Tax, Service Tax, Work Contract Tax, Octroi, Labour Welfare Cess or any other Taxes and Duties prevailing in respect of this contract. ANY BID STATING THAT TAXES ARE EXTRA WILL BE SUMMARILY REJECTED.

14. Indian Agent

14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, 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. Alternative Tenders

16.1 Alternative Tenders are not permitted.

16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

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 VIII 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 payment of duties, taxes, levies, clearance of goods, freight, transport, insurance 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.

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(d) 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 19.6 below.

19.2 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12. The earnest money shall be furnished in one of the following forms:

Demand Draft/ Fixed Deposit Receipt (FDR)/ Banker's cheque of a scheduled bank issued in favour of HLL Lifecare Limited, Thiruvananthapuram

19.3 The demand draft shall be drawn on any scheduled bank in India or scheduled foreign banks in favour of the "HLL Lifecare Limited" payable at Trivandrum.

19.4 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.

19.5 Unsuccessful tenderers' earnest money will be returned to them without any interest, 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.

19.6 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.

19.7 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.

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 tender opening 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/ telex/cable 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 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.

21.3 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.

21.4 The tenderer is to seal the tender in a separate envelope, duly marking the same as "Techno- commercial tender", and so on and writing the address of the purchaser and the tender reference number on the envelope. The sentence "NOT TO BE OPENED" before _____ (The tenderer is to put the date & time of tender opening) are to be written on this envelope. The inner envelopes are then to be put in a bigger outer envelope, 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.

21.5 TE document seeks quotation following **two Tender Systems**, 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'** 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 21.4 followed. **The name of the Equipments Quoted in a Group should be super scribed in the envelope.**

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 Tenders shall be submitted to **DVP(Tech)** or his nominee at **HLL Lifecare Limited, Infrastructure Development Division, 'Adarsh', TC 6/1718, Vettamukku, Thirumala P.O., Trivandrum – 695006** on before 14.02.2013 at 02.00 pm. 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, 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 returned to the concerned tenderer in unopened condition.

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to withdraw/alter/modify its tender so long as such withdrawal/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 (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno – Commercial tender. 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. For evaluating the Techno commercial bid, the purchaser may at its discretion call for demonstration/ presentation/ samples etc at Trivandrum.

27. Responsiveness

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 Prior to the detailed evaluation of Price Tenders, pursuant to GIT Clause 34, the Purchaser will determine the substantial responsiveness of each Tender to the TE Document. For purposes of these clauses, a substantially responsive Tender is one, which conforms to all the terms and conditions of the TE Documents without material deviations. Deviations from, or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 5), Warranty (GCC Clause 15), EMD (GIT Clause 19), Taxes & Duties (GCC Clause 20), Force Majeure (GCC Clause 26) and Applicable law (GCC Clause 31) will be deemed to be a material deviation. The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

27.3 If a Tender is not substantially responsive, it will be rejected by the Purchaser and cannot subsequently be made responsive by the Tenderer by correction of the nonconformity.

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 they 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 IX (signed and stamped) not enclosed
(ii) Tender is unsigned.
(iii) Tender validity is shorter than the required period.
(iv) Required EMD (Amount, validity etc.)/ Exemption documents have not been provided.
(v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIII.
(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, 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.

28. Minor Infirmity/Irregularity/Non-Conformity

28.1 If during the preliminary examination, the purchaser find any minor infirmity and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenderers. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by

registered/speed post/Courier etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

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.

29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered/speed post/Courier. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Qualification Criteria

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

31. Tender currency (Indian Rupees)

31.1 The TE document permits the tenderers to quote their prices in Indian Rupees only and should be inclusive of all taxes and duties, **failing which the tender is likely to be rejected.**

32. Item-wise Evaluation

The List of Requirements contains more than one item, the responsive tenders will be evaluated and compared separately for each item. However, as already mentioned in GIT sub clause 13.2.

Group A, Each item will be evaluated separately.
Group B -Furniture, Group C- Consumables
If minimum 3 eligible bidders do not quote for all item, for a particular supplier, the group items will be regrouped for evaluation as follows. The bids of bidders who quote for more than 60 % of the item will be taken for group evaluation and from these bidders, the items for which all of items quote in common will be grouped for evaluation and the lowest will be selected.
For balance of item, the bids of all the eligible bidders will be evaluated for balance of item individually

The tenderer shall quote for the complete requirement of goods and services as specified against a particular item.

33. Comparison of Tenders

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

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

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

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 by the tenderer

34.2 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. Tenderer's capability to perform the contract

35.1 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.

35.2 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.

36. Contacting the Purchaser

36.1 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.

36.2 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

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

37.1 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.

38. Award Criteria

38.1 Subject to GIT clause 38 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by the purchaser as follows :
Only those bidders who qualify at the techno- commercial stage will be considered for opening of price bids.

Total Price = Price of the quoted items as per technical specification (Rate for 5 years CMC after warranty period with one year wise split up shall be quotedseparately and if it's CMC provide other consumable / accessories list separately. Failing to the same, the bidder is liable to be rejected)

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

39.1 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" (rounded off to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer. However, if already indicated in this TE document, the purchaser can vary the quantity as indicated without applying the above limit.

39.2 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 (rounded off to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract after one year from the Date of Notification of Award.

40. Notification of Award

40.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ email (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 there in 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 thirty days from the date of dispatch of this notification, failing which the EMD will forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

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

41. Issue of Contract

41.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XIV and XV), in duplicate, to the successful tenderer

41.2 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/Consignee by registered / speed post.

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

42.1 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.

43. Return of E M D

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

44. Publication of Tender Result

44.1 The successful tenderer(s) receiving the contract(s) will be informed through telephone/web site of the purchaser.

45. Corrupt or Fraudulent Practices

45.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc 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 anything 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
GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES

SECTION - III
GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

1.1 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

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

4. Country of Origin

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

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

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

5. Performance Security

5.1 Within thirty (30) 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

a) It shall be in any one of the forms namely Fixed Deposit Receipt 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. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the consignee/government 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 CMC as required by the consignee as per the 'Contract Form – B' in Section XVI with Medical College, 1 year 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 Medical College 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 VI and VII of this document.

7. Packing and Marking

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

availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VI and VII and in SCC under Section IV. 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 VI and VII and in SCC under Section IV, 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 If required by the purchaser, 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.

8.9 For details of final inspection please refer section IV, special conditions of Contract.

9. Terms of Delivery

Goods shall be delivered by the supplier in accordance with the terms of delivery as follows:

a) The goods shall be supplied, unpacked, and installed and commissioned at Medical College within 2 months of receipt of order. All costs including insurance, loading, unloading etc shall be borne by the supplier.

10. Transportation of Goods

The supplier shall at their own expenses, arrange transport (including air/sea/land), of goods up to the consignee address (Medical College)**.** Loading/Unloading charges if any has to be borne by the supplier.

11. Insurance:

11.1 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 (Medical College) 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 installation, testing and commissioning and handing over of the equipment.

If the equipment is not commissioned and handed over to the consignee within stipulated period, the insurance will be got extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actual will be reimbursed.

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

13.1 Subject to the stipulation, if any, in the SCC (Section – IV), List of equipments (Section – V) and the Technical Specification (Section – VI), 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, electrical and networking 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 / service 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 to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract.
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) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Certificate of origin;
(vi) Insurance Certificate as per GCC Clause 11.
(vii) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

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 (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) 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 two **years** followed by a CMC for a period of 5(five) Years for all the equipments 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. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.

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 of twelve (12) months 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 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 Section VI, Technical Specifications 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 7 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 in writing 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.

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:

75 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
(ii) Consignee Receipt Certificate as per in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Insurance Certificate as per and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(vi) Certificate of origin.

b) On Acceptance:

Balance 25 % payment would be made against 'Final Acceptance Certificate' 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.

Payment for CMC contract Charges:

21.1 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 bases 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.

21.5 The payment shall be made in Indian Rupees.

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 respective consignees.

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.

22. Delay in the supplier's performance

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

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

(i) Imposition of liquidated damages,
(ii) Forfeiture of its performance security and
(iii) Termination of the contract for default.

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

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

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.

(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

27.1 The Purchaser/Consignee (Medical College) 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 which 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.

30.2 If the party fail to resolve their dispute or difference by such mutual consultations within twenty one days of its occurrence the same shall be referred by the purchaser to the sole arbitration of an Officer, decided by HLL . In the event of the Arbitrator neglecting or refusing to act or resigning or being unable to act for any reason, or his award being set

aside by the court for any reason, it shall be lawful for the purchaser to appoint another arbitrator in place of the outgoing arbitrator in the manner aforesaid.

30.3 It is further a term of contract that no person other than the person appointed by the purchaser as aforesaid should act as arbitrator and that, if for any reason that is not possible, the matter is not to be referred to Arbitration at all.

30.4 The arbitrator may from time to time with the consent of all parties to the contract enlarge the time for making the award.

30.5 Upon every and any such reference, the assessment of the costs incidental to the reference and award respectively shall be in the discretion of the arbitrator.

30.6 Subject as foresaid the Arbitration Act amended up to date and the rules there under and any statutory modification thereof for the time being a in force shall be deemed to apply to the Arbitration proceedings under this clause.

30.7 The arbitrator shall be requested to give reasoned award.

30.8 The venue of arbitration shall be the place from which formal Acceptance of Tender is issued or such other place as the purchaser at his discretion may determine.

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 /the Government of India 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/Government 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/Government of India 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/Government of India 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 –IV
SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

SECTION - V
LIST OF REQUIREMENTS

Name of the work	Estimated cost (Rs)	EMD
SITC of equipments for the setting up of emergency and critical care department at Alappuzha medical college	Rs 5,80,66,650/-	Refer page 5-6

Part II: Required Delivery Schedule: 2 Months from the date of issue of LOA

Note: The Purchaser/Consignee reserves the right to extend the delivery period up to one year from the date of LOA at its discretion.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13

Part IV:

Comprehensive Maintenance Contract (CMC) as per details in GCC.

Part V:

Required Terms of Delivery and Destination.

At Consignee Site – Specified in the List of Requirements
Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Destination/Consignee details are given in Section XXI

SECTION-VI
Technical specification

1	**AUTOMATIC BLOOD GAS ANALYSER (ABG) WITH ISE**
1	**Technical Specifications**
1.1	Should be fully automatic, fast, precise blood gas analyzer
1.2	Measured parameters should include: pH, PCO2, pO2, Cl, Na, K, Ca & Mg
1.3	Calculated parameters should include: Std. pH, pCO2, pO2, CH+, HCO3, Std.HCO3, O2 Sat, BEX, BEecf, BB, O2 content, TCO2, all at patient's temperature
1.4	Sample size should be not more than 100 ul/200 ul
1.5	Should have throughput: of 40 samples per hour
1.6	Readout time should be less than 1 min
1.7	Printer should be in-built with preferably non-thermal paper
1.8	Calibration should be automatic in cycle system
1.9	Should have digital display on the screen
1.10	Should have **maintenance free** electrodes with shelf life not less than 1 year
1.11	Should have memory: of more than 100 patients memory
2	**System Configuration Accessories, spares and consumables**
2.1	Startup Kit, Calibrators and Consumables required for performing initial 500 tests should be supplied free of cost in a staggered manner
2.2	Suitable rated online UPS with 30 minutes back up.
2.3	Should be supplied with all standard acessories and consumables required for standardizaion of the product.
3	**Standards, Safety and Training**
3.1	Munufacurer should have ISO certification and the copy should be submitted along with the technical bid.
3.2	Product should be US FDA/ European CE approved and the copy should be submitted along with the technical bid.

3.3	Training should be provided for all users and engineer for operating equipment and trouble free maintenance
4	**Documentation**
4.1	Two numbers of complete User/Technical/Maintenance manuals to be supplied in English .
4.2	Certificate of calibration and inspection from factory to be supplied during delivery of the equipment.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast two latest purchase order of the quoted model from reputed hospitals/institution along with the **price bid.**

2	**STAFF CHAIR (ARM CHAIR-SWIVEL-MEDIUM)**
1	**Technical Specifications**
1.1	Should be height adjustable swiveling type medium back staff chair type
1.2	Seamlessly seat and backrest, washable antimicrobial with poly foam cushion.
1.3	Colour of upholstery – blue / grey
1.4	Colour of base – black
1.5	With height adjustable, broad padded and upholstered arm rests and comfortable back rest
1.6	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.7	Pre acceptance demonstration of furniture is must.
3	**VISITOR CHAIR**
1	**Specifications**
1.1	Visitors chair ergonomically designed, sturdy and of good quality.
1.2	Should give comfortable seating and low back support.
1.3	Padded seats with washable upholstery of leather finish.
1.4	Fixed under structure, steel legs, curved frames.
1.5	Frames arm rests, fixed height.
1.6	Frame of MS tubing, multiple pretreated and finished with epoxy powder coating.
1.7	Approx.Dimension

	Width : 500 mm
	Depth : 565 mm
	Height: 700 mm
	Seat Height: 400 mm
1.8	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.9	Pre acceptance demonstration of furniture is must.
4	**JUNIOR EXECUTIVE CHAIR**
1	**Specifications**
1.1	High Back junior executive type chair
1.2	Revolving
1.3	Gas height adjustment
1.4	PP armrest with nylon base
1.5	Epoxy powder coated extruded aluminum 5 spokes base (circumscribing diameter 60 cm.
1.6	Antistatic castors, approx 75mm diameter, atleast 2 with brakes.
1.7	Seat size and backrest size for standard adult
1.8	Seamlessly upholstered seat and backrest,
1.9	Colour of upholstery – blue / grey
1.1	Colour of base – black
1.11	With height adjustable, broad, padded and upholstered arm rests and comfortable back rest.
1.12	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.13	Pre acceptance demonstration of furniture is must.
5	**BIPAP MACHINE**
1	**Technical Specifications**
1.1	Should be compact and light weight
1.2	Operation mode: Bi-level (2 pressure levels)S/T/ST
1.3	Pressure range IPAP: 5 – 20 h Pa (mbar)
1.4	EPAP: 5 – 30 h Pa (mbar)
1.5	Constant display: Pressure value, bar graph, date, time, alarm-clock-state
1.6	Should have additional Function
	- Start-stop-automatic-control
	- Fall asleep – ramp 0-60 min
	- Leakage Test 0-90 s
	- Date, Time and Wake – up- function
	- Power failure alarm

	- Leakage alarm
	- Automatic Turbine start after power failure
	- Time counters : stand –by, turbine running, filter age, therapy
	- Adjustable time delay
	ST-operation – S: Spontaneous : Triggered by respiration (trigger sensitivity should be adjustable over a range)
	T: Timed : Safety frequency (adjustable)
	ST: Spontaneous + Timed
	Safety frequency – 5 / min-35/min in 1 / min – steps, modes : T and ST
	Inspiration phase: 20% to 80% of respiration phase
	Filter system: 3-layers
1.7	Should have facility to supplement oxygen
1.8	Should be leak compensated
2	**Acessories,Spares and Consumables**
2.1	Reusable face and nasal with textured dual flap silicone cushion flap for easy fit.(autoclavable)
2.2	Removable forehead support and pad to match the angle of patient's forehead(autoclavable)
2.3	Stability Selector for easy fit and angle.
2.4	Ball & Socket headgear attachments.
2.5	2 sets of all size autoclavable mask. (Small, Medium, Large) with each machine.
2.6	Adult and Paediatric autoclavable silicone breathing circuits – 02 each
2.7	Battery support(optional) for travel purpose.
2.8	Bacterial filter- 10 each
3	**Power Supply**
3.1	Power input to be 220-240VAC, 50Hz with Indian plug.
4	**Standards, Safety and Training**
4.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
4.2	The quoted model should have US FDA/ European CE and copy of the same should be enclosed along with the technical bid.
4.3	Training for staff and support services till familiar with the system.
5	**Documentation**
5.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied

	in English (Soft copy & Hard copy).
5.2	Certificate of calibration and inspection from factory.
5.3	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
5.4	List of important spare parts and accessories with their part number and costing should be quoted.
5.5	Warranty and CMC should be as per tender terms.
5.6	Should enclose user list and performance report of last 5 years from major hospitals along with the technical bid.
5.7	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
6	**CHANGE BENCH**
1.1	Wooden Suitable for change rooms
1.2	Should be aesthetically good.
1.3	Dimension should match with site dimension
7	**CHANGE LOCKER-12 UNIT**
1	**Technical Specifications**
1.1	Change locker should have 12 compartments, 6 bottom and6 top.
1.2	Size of each compartment aprox : 30 cm W x 80 cm H x 45 cm D.
1.3	Sheet thickness aprox – 0.9 mm. Pretreated and epoxy powder coated colour – Ivory/Grey
1.4	Should be made of sheet welded to MS angle frame.
1.5	All material pretreated and epoxy powder coated.
1.6	Lockers with individual locks of good quality.
1.7	With raised foot with water proof stump.
1.8	With cloth hanger rod.
1.9	Colour – Grey
1.10	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.11	Pre acceptance demonstration of furniture is must.
8	**CLEAN/DIRTY LINEN HAMPER**
1	**Technical Specifications**
1.1	Should be soiled linen trolley with 2 bags.

1.2	Rigid frame fabricated out of aprox 1.5 cm dia MS tube and epoxy powder coated with white finish.
1.3	Should have 4 swivel castors of high quality with aprox 5 cm diameter.
1.4	Should be with tight fitting lids having lifting handles.
1.5	To be fitted will good quality canvas bag (washable), tied at the top.
1.6	Overall size (approx): 760 L x 400 W x 900 H mm
1.7	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

9	**CLOCK - LOCAL PURCHASE**

10	**COMPUTER WITH PRINTER**
1	**Technical Specifications**
1.1	The computer system should have the following specification:
1.2	Branded - Pentium Core i3/latest processer 2.7 GHz and above
1.3	400 GB HDD,
1.4	4 GB RAM,
1.5	CD/DVD RD/WR
1.6	Serial / Parallel Ports/USB,
1.7	15" LCD Monitor.
1.8	Keyboard,
1.9	Scroll Mouse.
1.10	Windows latest software with genuine version
1.11	Genuine version of suitable Antivirus software
1.12	Quote black & white laserjet printer
1.13	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.14	Preaceeptance demonstration is must.
11	**CRASH CART**
1	**Technical Specification**
1.1	Should be high quality light weight crash cart with buffer rails.
1.2	Mounted on 120 mm dia, high quality castors, two with brakes.
1.3	Should be with S.S.tubular frame and SS shelves

1.3	With six removable bins and two polystyerene lockable storage unit to hold emergency drugs.
1.4	Should have five handout bins.
1.5	One twin hook SS IV rod with slot in the cart.
1.6	Should have powder coated oxygen cylinder holder
1.7	Should have laryngoscope battery operates with assorted blades.
1.8	Should have ophthalmoscope battery operated.
1.9	Should have Stethoscope
1.10	Should have Aneroid BP apparatus.
1.11	Should have ambu bag. (Adult & Paed) – 1 each
1.12	Should have pull out CPR board
1.13	Provision for mounting defibrillator with ECG recorder / monitor.
1.14	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.15	Manufacturer should be ISO certified.
1.16	Overall dimension : 960 mm X 500 mm X 1545 approx
12	**CUPBOARD WITH WARDROBE**
1	**Technical Specifications**
1.1	18 gauge steel cupboard, epoxy powder coated.
1.2	High quality, cold rolled, close annealed (CRCA) steel.
1.3	With wardrobe and one lockable drawer.
1.4	Dual telescopic hanging rods for easy hanging and movement of clothes.
1.5	Anticorrosion treated components, treated with seven steps of anti corrosion process.
1.6	Surface free from flaws, roll marks, dents, lines etc.
1.7	Two way bolting device and six lever lock.
1.8	Oven baked epoxy powder coating.
1.9	Dimension (approx)
	Length –0 .90m
	Width – 0.45m
	Height – 1.8m
1.10	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
13	**DEFIBRILLATOR MONITOR**
1	**Technical Specifications**

1.1	Defibrillator should be Bi- Phasic, light weight and latest model
1.2	Should monitor vital parameters and display them.
1.3	Should print the ECG on thermal recorders.
1.4	Should work on manual and automated external defibrillation **(AED)** mode. Should have manual selection up to 200 J.
1.5	Should be capable of doing synchronized & asynchronized cardioversion.
1.6	Can be operated from mains as well as battery.
1.7	Should have defibrillator testing facility.
1.8	Should have non invasive pacing facility.
1.9	Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia within a maximum energy of 200 Joules
1.10	Should monitor ECG through paddles, pads and monitoring electrodes and defibrillate through pads and paddles.
1.11	Should have automatic lead switching to see patient ECG through paddles or leads.
1.12	Should measure and compensate for chest impedance for a range of 25 to 200 ohms
1.13	Should have a built in strip printer/ thermal recorder
1.14	Should have charging time of less than 5 seconds for maximum energy.Charging indicator should be present.
1.15	Should have bright display for viewing messages and ECG waveform for 4 seconds
1.16	Should have external & internal paddles with paddles contact indicator – for good paddle contact.
1.17	Single Adult and pediatric paddles should be available.
1.18	Should have event summary facility for recording and printing at least 250 events and 50 waveforms
1.19	Should have a battery capable of usage for at least 90minutes or 30 discharges.
1.20	Should be capable of printing Reports on Event summary, configuration, self test, battery capacity etc

1.21	Should have facility for self test/check before usage and set up function
1.22	Should be capable of delivering energy in increments of 1-2 joules up to 30 J and increments of maximum 50J thereafter.
1.23	Power input to be 220-240VAC, 50Hz Indian plug.
2	**System Configuration Accessories, spares and consumables**
2.1	Patient ECG Cables-02
2.2	ECG Rolls-05
2.3	ECG electrodes-01 set
2.4	Gel bottle - 2 Nos
2.5	Disposable Extenal pacing pads-10 nos
3	**Standards, Safety and Training**
3.1	The manufacturer should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.
3.3	Training for staff and support services till familiar with the system.
4	**Documentation**
4.1	Two numbers of complete User/Technical/Maintenance manuals to be supplied in English .
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

14	**DOCTOR'S DIAGNOSTIC SET**
	Technical Specifications
1	**Electronic Thermometer**
	Should have LCD type disply.
	Temperature range should be 32.2 to 42.2 degree Celsius (90 to 108 F).
	Accuracy should be. ±0.3 degree Celsius (0.5 F)
	Response time should be less than 90 sec.
	Should operate on batteries.

	There should be visual and audible alarm for high temperature.
	There should be alarm for low battery
2	**laryngoscope**
	Should be made up of high grade stainless steel
	Should be easily cleanable-No seams, cracks or crevices
	Should be steam autoclavable
	Should be supplied with all standard blades
3	**Opthalmoscope**
	Should use Halogen light for true tissue color and consistent, long-lasting illumination
	Should have aperturesfor generalist use: micro, small, and large spot sizes, fixation target, slit aperture, and red-free filter
	should have focusing lenses with a range of -25 to +40 diopters
	Should provide with protective cover
4	**Documentation**
	Must submit atleast 2 nos of latest purchase order of the quoted models dated within 1 year along with the **price bid.**

15	**DIRTY/CLEAN LINEN HAMPER - SINGLE**
1	**Technical Specifications**
1.1	Should be dirty linen hamper with one polyester bag.
1.2	Should have a rigid frame fabricated out of approx 1.5 cm dia MS tube and epoxy powder coated with white finish.
1.3	Should have 4 swivel castors of high quality with approx 5 cm diameter.
1.4	Should be with tight fitting lid having lifting handle.
1.5	To be fitted will good quality canvas bag (washable), tied at the top.
1.6	Overall size (approx):400 L x 400 W x 900 H mm
1.7	Must submit atleast 2 nos of latest purchase order of the quoted models dated within 1 year along with the **price bid.**
1.8	Preacceptance demonstration of the furniture is must.
16	**OFFICE TABLE**
1	**Technical Specifications**
1.1	Should be steel junior executive office table
1.2	Should be of high quality, aesthetic and ergonic

	design
1.3	Top made up pre laminated, ivory coloured material of high density pressed wood, properly treated. Flame and water retardant. Lipped on all sides with PVC beading of black colour
1.5	Should have a tray for keeping keyboard of the computer
1.6	Should be with one drawer and two shelf on right hand side
17	Size (approx)
	Height -750 mm
	Width – 800 mm
	Length – 1200 mm
1.8	Must submit atleast 2 nos of latest purchase order of the quoted models dated within 1 year along with the **price bid.**
1.9	Preacceptance demonstration of the furniture is must.
17	**DRESSING TROLLEY**
1.1	Dressing trolley should be made up of stainless steel
1.2	Stainless steel tubular frame of section approx 2 cm dia.
1.3	Should be with two heavy duty shelves.
1.4	Protective SS railing on all four sides on the top. Top of SS sheet
1.5	Should have 4 castors of high quality. Size approx 125 mm dia.
1.6	Should be with stainless steel bowl and bucket.
1.7	Approximate overall size 1000 mmL x 500 mmW x 900 mmH.
1.8	Shelf size 750 mmL x 500 mmW.
1.9	Must submit atleast 2 nos of latest purchase order of the quoted models dated within 1 year along with the **price bid.**
1.10	Preacceptance demonstration of the furniture is must.
18	**ECG MACHINE - 12 CHANNEL**
1	**Technical Specifications**
1.1	The ECG machine should be able to acquire all 12 Leads simultaneously and interpret them.
1.2	Should have the capability to integrate with HIS and transfer the data through LAN / Wireless LAN to any other monitoring room / doctors desk.Should be HL-7 compatible for transmitting and receiving data to/fro LAN/HIS

1.3	Should acquire simultaneous 12 lead ECG for both adult and pediatric patients
1.4	Should have real time display of ECG waveforms with signal quality indication for each lead
1.5	Should have artifact, AC, and low & high pass frequency filters.
1.6	Should have a storage memory of at least 100 ECGs with easy transfer by optional modem and data card.
1.7	Should have full screen preview of ECG report for quality assessment checks prior to print.
1.8	Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients
1.9	Should have alphanumeric keyboard for patient data entry. (virtual or hard keys)
1.10	Should have inbuilt High resolution A4 size printer.
1.11	Should have report formats of 3 x4; 6 x2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead.
1.12	The recorder should have DC/AC autoexchange and run minimum of 4 hours on fully charged battery.
1.13	Should display ECG on LCD/TFT Display of 640x480 pixel resolution.
1.14	Should have connectivity to external computer for storage
1.15	Should be provided with terminal for a good earth connection to preclude electrical disturbances while recording.
1.16	Power input to be 220-240VAC, 50Hz fitted with Indian plug and rechargeable battery.
2	**System Configuration Accessories, spares and consumables**
2.1	Patient Cable -02
2.2	Chest Electrodes Adult-(set of six) -02 sets.
2.3	Chest Electrodes Paediatric-(set of six) -02 sets
2.4	Limb Electrodes(set of 4)- 02 sets
2.5	Thermal Paper A4 Size for 500 patients
2.7	Grounding cable
3	**Standards, Safety and Training**

3.1	Manufacturer should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have European CE /US FDA and copy of the same should be enclosed along with the technical bid.
3.3	Training should be provided for users and biomedical engineers
4	**Documentation**
4.1	User/Technical/Maintenance manual to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
4.60	Preacceptance demonstration of the furniture is must.
19	**DIGITAL BP APPARATUS**
1	**Technical Specifications**
1.1	Display: LCD Digital display
1.2	Measurement range: Pressure 0 to 300 mmHg pulse 40-180 beats / min
1.3	Accuracy / calibration: Pressure: + 5% of reading
1.4	Battery life : Approx 1500 uses when used twice a day
1.5	Main unit weight: Approx 340g excluding batteries
1.6	Cuff size: 3 cuffs - adult, paediatric &neonatal size(one each)
1.7	Cuff should be highly durable.
1.8	Cuff circumference: Should Fit arm circumference around 220mm to 320mm
2	**System Configuration Accessories, spares and consumables**
2.1	Battery with charger: One charger & four rechargeable batteries
2.2	Adult cuff - 1 Pediatric cuff -1 Neonatal cuff -1
2.3	Storage case
2.4	DC Adaptor

3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have European CE/US FDA certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

20	**HEIGHT ADJUSTABLE EMERGENCY TROLLEY**
1	**Technical Specifications**
1.1	Should be high quality height adjustable emergency procedure trolley.
1.2	Top esction should be 2 sectional.
1.3	Base plate should be of sheet steel, pre treated with epoxy powder coating. Should have drilled holes of approx 1 cm dia to allow fluid drainage.
1.4	Lower frame and intermediate frame should be of steel tubes of rectangular and square sections, multiple pretreated and epoxy powder coated.
1.5	Castors of 150 mm dia, anti static with high quality brakes.
1.6	Should have central braking and central steering.
1.7	Should have bumpers on all corners to prevent damage due to hitting.
1.8	Size (approximate):
1.9	Length: 2050 mm bed surface, 2125 mm with frame.Width: 750 mm.
1.10	Bed surface size: 705 mmW x 1950 mmL.
1.11	Mattress – High density foam mattress anti microbial treated with water proof flame retardant, antimicrobial, leather like upholstery.
1.12	Hydraulic height adjustment with single or twin pedestal or by crank mechanism

1.13	Height adjustment range from base plate: 530-900 mm (measurement 150mm casters)
1.14	X-ray translucent bed surface 1950 mmL x 705 mmW.
1.15	Withdrawable X-ray cassette tray (it should be possible to remove the cassette without disturbing the patient)
1.16	Single touch CPR release button for backrest.
1.17	IV rod slots at each corner.
1.18	IV rod with twin hook x 1
1.19	Should have oxygen cylinder holder
1.20	Should have swing away SS side rails.
1.21	Stepless back adjustment with gas spring support (0 to +70^{o})
1.22	Trendelenburg / Reverse Trendelenburg
1.23	Stepless leg section adjustment
1.24	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.25	Preacceptance demonstration of the furniture is must.
21	**EXAMINATION LAMP - MOBILE**
1	**Technical Specification**
1.1	Should be a mobile examination lamp having castors for movement.
1.2	Light intensity should be 10,000 lux
1.3	Should have flexible arm for easy positioning of the light head
1.4	Should have inbuilt intensity controller & on-off switch
1.5	Bulb should be of low wattage halogen type
1.6	Should have adjustable focus field
1.7	Should be mobile on 5 pronged molded base with swivel castors
1.8	Should be provided with spare bulbs of 5 nos
1.9	Should have option of wall mounting
1.10	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
22	**FLOOR CLEANING TROLLEY**
1	**Technical Specification**
1.1	Front platform should hold mop bucket with down press wringer for floor cleaning tasks.
1.2	Non-marking wheels to the rear and swivel castors at the front for maximum manoeuvrability.

1.3	Approx 120L capacity for everyday waste, with lid and base
1.4	Size : 130 x 60 x 100 cm(approx)

23	**GLUCOMETER**
1	**Technical Specification**
1.1	Should have precise digital temperature control with selectable range of 37degree celsius to 42 degree Celsius
1.2	Measuring range should be 20 to 400 mg/Dl
1.3	Arterial, Venous and capillary whole blood specimen capability
1.4	Sampling methodology should be electrochemical
1.5	Sampling volume should be less than 10 microlitres
1.6	Should have LCD display
1.7	Should have automatic shut off.
1.8	Should be supplied along with QC and calibration kits.
1.9	Should have memory for at least 10 patient results.
1.10	Should be supplied with 4 packets of test strips for each glucometer
1.11	Manufacturer Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
1.12	The quoted model should have FDA/CEand copy of the same should be enclosed along with the technical bid.
2	**Documentaion**
2.1	User manual -01 no
2.2	Certificate of calibration and inspection from factory.
2.3	Warranty & CMC as per tender terms.
2.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
2.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.

24	**ELECTRICAL SUCTION APPARATUS**
1	**Technical Specification**
1.1	Electrically operated ward suction unit.
1.2	Working voltage 230 Vac,50 Hz.Heavy duty 3 core cable of length 6m.
1.3	With double piston pump, non lubricated.

1.4	Free air displacement 30 lpm.
1.5	With two suction bottles of 2 litre vacuum Range: 0-750 mmHg.
1.6	With float valve, suction tubes (PVC) 2 m long and suction tip.
1.7	Portable unit having castors for easy transportation
1.8	Should have lifting handle
1.9	With on/off switch indicating bulb and suction gauge.
1.10	Should have pressure adjusting nobe
2	**Documentaion**
2.1	User manual -01 nos
2.2	Certificate of calibration and inspection from factory.
2.3	Warranty & CMC as per tender terms.
2.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
2.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.

25	**ICU VENTILATOR**
1	**Technical Specifications**
1.1	Should be microprocessor controlled ventilator with integrated facility for ventilation monitoring from new born to adult.
1.2	Should have standard hinged arm holder for holding the circuit
1.3	Should have colored TFT/LCD screen, 10 Inch or more
1.4	Should have facility to measure and display the following parameters
	a) End tidal CO2 with capnography(quoted as optional)
	b) 3 waves- Pressure and Time, Volume and Time and Flow and Time.
	c) 3 loops- P-V, F-V, P-F with facility of saving of 3 Loops for reference.
	d) Graphic display to have automatic scaling facility for waves
	e) Status indicator for Ventilator mode, Battery life, patient data,alarm settings, clock etc
1.5	Should have trending facility for 72 hours with minimum 5 minutes intervals for recent 24 hours.

1.6	Should have Automatic compliance & Leakage compensation for circuit and ET tube.
1.7	Should have following settings for all age groups.
	a) Tidal Volume : 5 to 2000 ml
	b) Pressure (insp)
	c) Pressure Ramp
	d) Respiratory Rate : 2 to 150 b/m
	e) SIMV Respiratory Rate
	f) CPAP/PEEP
	g) Pressure support
	h) FiO2 : 21 to 100 %
	i) Pause Time
	j) Pressure & Flow Trigger
1.8	Should have monitoring of the following parameters
	a) Airway Pressure (Peak & Mean)
	b) Tidal volume (Inspired & Expired
	c) Minute volume (Inspired and Expired)
	d) Spontaneous Minute Volume
	e) Total Frequency-
	f) FiO2 dynamic
	g) Intrinsic PEEP and PEEP i Volume
	h) Plateau Pressure
	i) Resistance & Compliance
1.9	Should have user selector alarms for all measured & monitored parameters
1.10	Should have the following modes of ventilation
	a) Volume controlled
	b) Pressure Controlled
	c) Pressure Support
	d) SIMV (Pressure Control and volume control) with pressure support
	e) CPAP/PEEP
	f) Advanced mode like PRVC or equivalent
	g) Non Invasive ventilation
	h) APRV
	i)BIPAP
1.11	Should have Apnea /backup ventilation
1.12	Expiratory block should be autoclavable and no routine calibration required
1.13	Should have the ability to calculate / Procedure,the following parameters
	a. Intrinsic Peep & Intrinsic PEEP Volume

	b. Occlusion Pressure
	c. Spontaneous Breathing trial
	d. Lower and upper inflection point
1.14	Should have nebuliser with capability to deliver particle size of < 3 micron & to be used in both Off and On line
1.15	Should have automatic patient detection facility .(optional)
1.16	Should have Medical Air Compressor. (Optional) with following facilities
	a) Must be stand-alone Medical Air compressor
	b)Should be snap fit with the Ventilator module to provide an oil free Medical air.
	c) Peak output flow should be minimum 160 LPM.
	d) Air quality should comply with ISO compressed air purity class.
	e) Medical Air Compressor should automatically activate in the event of wall air supply loss.
	f) Replacement of internal filters should be performed without removing the compressor
	g) Should have washable air filter.
1.17	Should have reusable face & nasal mask with textured dual walled silicon cushion flap for easy fit.Should be autoclavable.
1.18	Should have adjustable forehead support and pad .
1.19	Should have quick release headgear attachments.
1.20	Should have battery back up for minimum 2 hour
1.21	Should have RS 232 interface for communications with networked devices.
1.22	Should be expandable and up gradable.
1.23	Power input to be 220-240VAC, 50Hz
2	**System Configuration Accessories, spares and consumables**
2.1	ICU Ventilator - 01
2.2	Adult and Paediatric autoclavable silicone breathing circuits – 02 each
2.3	Reusable Masks (Small, Medium, Large) with each machine. - 02 sets each
2.4	All Accessories for non invasive ventilation – 2 sets
2.5	Medical Air Compressor. **(Optional)**
2.6	Humidifier -Servo controlled with digital monitoring of inspired gas temperature complete with heating wire - 02

2.7	Trolley-01
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.
3.3	Training should be provided for users and biomedical engineers
4	**Documentation**
4.1	User/Technical/Maintenance manual to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

26	**INFUSION PUMP**
1	**Technical Specifications**
1.1	Should be programmable volumetric infusion pump
1.2	Should have Flow rate range (primary) 0.1 to 99.9 ml/hr. (0.1 ml increments) and 1 to 1200 ml/hr. (1ml increments.)
1.3	Should have Flow rate range (piggy back)-0.1 to 99.9 ml/hr,(0.1 ml increments) and 1 to 500 ml/hr (1ml increments)
1.4	Volume to be infused 0.1 to 99.9 ml (0.1ml increments) and 1 to 9999 ml(1 ml increments).
1.5	Should have LCD programming display
1.6	Should have Data entry calculator style numeric programming keyboard
1.7	Should have Pole clamp Multi-function mounting clamp
1.8	Should have Nurse call output alarm, time and date settings
1.9	Should have Quick titration of rate or dose with volume-time programming
1.10	Keep Vein Open (KVO) must be available 1.0 ml/hr or set rate if lower than 1.0 ml. User should have choice to disable KVO whenever desired.

1.11	Unit should have purge and bolus modes.
1.12	Should have air-in-line detector in-built
1.13	Alarms for High/Slow Speed, Empty fluid, Air bubble Alarm, Pump door open, Battery charge low etc.
1.14	Both flow rates and volume to be infused should be configured to limit the maximum allowable range.
1.15	RS232C/USB/RS485 output for Printer, PC connectivity and Data acquisition with selectable baud rate options should be there
1.16	Should have Accuracy ±3%.
1.17	Basic unit should have 2 or more infusions control system in single unit
1.18	Battery back-up operating time 5 hours.
2	**System Configuration Accessories, spares and consumables**
2.1	System should be compatible with standard IV set and should be made available by the vendor whenever required.
2.2	50 numbers of required IV sets should be supplied with the single unit
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/European CE certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

27	**IV STAND**
1	**Technical Specifications**
1.1	IV stand on castors
1.2	Capacity to hold 6 litres of IV fluid.

1.3	Height 136-244 cm (adjustable)
1.4	Frame – of stainless steel tubing of 20mm OD and thickness 1.5 mm spring loads.
1.5	IV rod of SS, with double hook
1.6	Rod clamp with SS handle
1.7	5 spokes base of dia 60 cm with, castors of 7.5 cm dia (high quality)
1.8	Base of SS or extruded aluminium epoxy powder coated.
1.9	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

28	**MEDICINE TROLLEY**
1	**Technical Specifications**
1.1	Single sided medicine trolley on castors.
1.2	Should be made up of ABS/Stainless steel
1.3	Approximate dimension : 850 × 520 × 1045 mm.
1.4	2 drawers with dividers suitably designed for keeping medicines
1.5	Should be with 3 Multi purpose drawers
1.6	Equipped with Wastebin, needle disposable container, file cassette & guard rails.
1.7	4 swivel noiseless castors of 5 cm atleast two with brakes.
1.8	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

29	**MOBILE BEDSIDE SCREEN**
1	**Technical Specifications**
1.1	Foldable screen with 3 foldable sections.
1.2	Frame of MS tubes (15mm dia and 1mm wall thickness), suitably pretreated and powder coated.
1.3	Mounted on six castors of high quality and diameter 5 cm.
1.4	Size – End spans 610 mm wide and 1680mm tall.
1.5	Middle span – 1220 mm wide and 1680 mm tall.
1.6	Spring wire attached to hook for fixing curtains.
1.7	Curtains of washable durable PVC material, opaque and light in colour (green/grey/blue).

1.8	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

30	**COMBINATION CHAIR SET OF THREE**
1.1	Chair should be a combination of three seats
1.2	Chair leg hould be made out of CRCA sheet and 16 g 1" pipe.
1.3	Should have Nickel chromplated
1.4	Approximate Dimension :64" X 24 " X18 "
1.5	Should have hand support
1.6	Should be of good quality
1.7	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

31	**OVER BED TABLE**
1	**Technical Specifications**
1.1	Overbed table to match the 4 section bed height
1.2	Aluminum extruded telescopic section fitted with gas spring for height adjustment
1.3	Mild Steel rectangular tubular base frame mounted swivel synthetic body castors approximate 50 mm diameter
1.4	Height range : 760 to 1050 mm
1.5	Should be pre treated and powder caoted finish
1.6	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
32	**BED SIDE LOCKER**
1	Technical Specifications
1.1	Metal cupboard on frame with PVC foot stumps
1.2	Top of stainless steel sheet folded seamlessly on the supporting frame
1.3	Metal drawer of 12 cm height with pull handle
1.4	Shelf below the drawer having height of aprox 25 cm with hinged door
1.5	Total height of cabinet should be aprox 45 cm
1.6	Top size : aprox 35 x 35 cm
1.7	Frame should be epoxy powder coated

33	**PATIENT BED - 4 SECTION**

1	**Technical Specifications**
1.1	Should be four section bed with mattress base
1.2	The system should be manually operated and adjustable for heights, trendelenburg etc.
1.3	Should have X-ray luscent back section made up of high pressure laminate / ABS.Ends of head and leg should be made of ABS bows.ABS railing should be swing type
1.4	Should have X-ray cassette holder underneath the back section. It should be possible to insert and take out the cassette from the holder from either side of the bed without disturbing the patient.
1.5	Base frame and support frame should be fabricated using steel square / rectangular section of adequate cross section and thickness to provide high structural strength and stability.
1.6	Should have the following ranges of movements (nearest) movements hydraulic gas spring actuated/crank operated controlled.
a	Height : 480-750 mm
b	Back section: 0-50 degrees
c	Leg section: 0-30 degree
1.7	Should have manual quick release button (CPR release) for back section to tackle emergency situation. Actuation mechanism should be preferably gas-spring actuated.
1.8	Trendelenburg/reverse Trendelenburg range should be-25^{o} / +15^{o}.
1.9	Should have four members of articulated half length tuck away side rails .
1.10	Should have high quality castors of 125 mm dia with central braking and central steering facility
1.11	Should have slots for IV rod at four corners, and IV rod chromium plated with twin hooks
1.12	Bed should have bumpers on all corners and accessory mounting facilities.
1.13	Bed dimension should be around following
a	Length : 2070-2160
b	Width : 950 – 1020 mm
c	Mattress size: to suit the bed surface (mattress thickness – 12 cm)
1.14	Should have detachable head end and foot end

1.15	Mattress should be made up of high density foam with antimicrobial agent incorporated in all parts to assist prevention of bacterial and fungal growth. Cover should be of high quality, washable, durable and antimicrobial leather like synthetic material.
1.16	Mattress should be radiolucent to allow radiography using portable X-ray machines.
2	**System Configuration Accessories, spares and consumables**
2.1	I.C.U Bed Mainframe -01
2.2	Bed Ends, detachable : 01 pair
2.3	Articulated half length tuck away side rails : 04 Nos.
2.4	IV Rods : 01 No.
2.5	Mattress 12 cm Thick : 01 No.
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have CE/BIS certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	User manual to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

34	**MULTIPARAMETER MONITOR (32 NOS) WITH 2 TRANSPORT MONITORS AND 2 CENTRAL STATIONS**
I	**Operational Requirements**
1	Bidder should quote for 32 bedside monitors , 2 central station monitors and 2 Transport Monitors;One central station monitor for 20 bedside monitorsand other central station should be able to monitor 15 bedside monitors at a time. It should be possible to upgrade the system for attaching more monitors as and when required.
2	Modules and Acessories including cables & sensors of both Transport Monitor and Multiparameter/Bedside monitor should be compatible to one another (directly one to one adaptable)

3	It should provide complete monitoring solution to meet the requirement of wide spectrum monitoring needs of critically ill patient
4	ICU should have monitors at the bedside and central station at nursing station.
II	**TECHNICAL SPECIFICATIONS FOR MULTIPARA MONITOR, CENTRAL STATION AND TRANSPORT MONITOR**
II. A	**MULTIPARAMETER MONITOR/BEDSIDE MONITOR - 32 nos**
1	**Specifications for Bedside monitor**
1.1	Modules required - ECG, Respiration, NIBP, SpO2, Temperature,IBP-2 Nos for each monitor
1.2	Should have eight digital and waveforms/traces display
1.3	Should have multichannel (upto 12 leads) ST segment analysis.
1.4	EtCO2 option should be enabled in all the Monitors - Should have Main stream/ side stream options. Display both inspired and expired values, showing capnography. Should provide both sidestream and mainstream cables.Bidder should provide total Ten Numbers of ETCO2 module
1.5	Should have Hemodynamic , oxygenation, Ventilation calculation package.(optional)
1.6	Should have Drug calculation package.(optional)
1.7	Should have external demand pacemaker. (optional)
1.8	Parameter modules should be freely exchangeable between all the monitors and the central station monitor should be compatible with bedside monitors
1.9	Should have minimum 15 inches multicoloured LCD display screen.
1.10	Should have the capability for storage of patient data and printing of patient reports.
1.11	Monitor should have audible and visual alarms capability. Alarms should have three distinct audible alarm tones to distinguish different alarm levels. Also monitor should permit automatic viewing of alarming parameter waveform and numeric from any bedside when connected in a network.
1.12	Should have automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
1.13	Should have trend of at least 24 hours.

1.14	200 nos. event recall/snapshot facility both manually and automatically triggered by alarm.
1.15	The monitors should have battery back up of minimum 2 hrs
1.16	Should have Pacemaker Detection facility
1.17	Should have Defibrillator protection facility
1.18	Power input to be 220-240VAC, 50Hz fitted with Indian plug
1.19	All monitors should be supplied with wallmount,swivel type stands of high quality
1.20	Should have communications with Information Management Systems: To provide HL-7 compatible server for sending and receiving information between the monitoring network and Hospital Information System for integration of various information.
2	**System Configuration Accessories, spares and consumables for Bedside monitor**
2.1	ECG/Resp :5 Lead ECG Cable with clip- 1 sets per monitor and 10 Lead ECG Cable with clip- 1 set per monitor.
2.2	NIBP:Adult cuff- 2nos. per monitor and pediatric cuffs- one per monitor(complete sets)
2.3	SpO2:Adult SpO2 sensor with cable- two nos per monitor ,Pediatric SpO2 sensors- one no. per monitor
2.4	IBP Module : Include four nos. per monitor of reusable pressure transducer with bracket, holder and 25 nos disposable domes per monitor.
2.5	Temperature: Rectal temperature probe- two per monitor and skin temperature probe- one per monitor,nasopharyngeal probes(optional)
2.6	EtCO2 module with all accessories - Total 12 nos . In case of sidestream EtCO2-10 sets of sampling tubes for each module to be included.
2.7	Should have necessary cabling for networking the monitors.
2.8	Necessary mounting solution/ mounting on any pendant for monitors
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.

3.3	Training and demonstration for staff and support services till familiarity with the system.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
4.2	Certificate of calibration and inspection from factory
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.Copy of the same should be enclosed along with the technical bid.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
II. B	**CENTRAL STATION MONITOR - 2 Nos**
1	**Specifications for Central station monitor**
1.1	Capability of storage of patient data and printing of patient reports.
1.2	Central station monitor should be able to perform the function of the bedside monitor also
1.3	The monitors should have, monitor to monitor overview facility and data transfer over the network.
1.4	Each central station should be able to connect 12 multiparameter monitors at a time.
1.5	Central station for bedside monitors with independently controlled ,one 21" multi colour Medical Grade/High Definition LCD monitor, complete with Ethernet LAN cabling , alarm management, min 48 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc
1.6	Central monitoring system should have provision to enter patient details.It should have provision to record parameters for atleast 48 hours
1.7	Central monitoring system should have provision to show all the parameters of particular patient monitor connected to it.
1.8	Central monitoring system should have advanced arrhythmia detection system
1.9	Each central monitoring system should be supplied with one deskjet printer (Total 2 Printers).

1.10	Bidder is responsible for wiring of both ICUs including all monitor and central station through twisted pair or other suitable wiring.Wiring as well as supply of materials should be quoted as lumpsum for each central stations and bedside monitors.
II. C	**TRANSPORT MONITOR - 2 Nos**
1	**Specifications for Transport monitors**
1.1	Monitor should be portable and light weight preferably< 10 kg.
1.2	Portable monitor cable should be compatible with above mentioned Multiparameter/Bedside monitors.
1.3	Modules and Acessories including cables& sensors should be compatible with Multiparameter/Bedside monitors (directly one to one adaptable)
1.4	Easily transporatable and should have capability of storage of patient data and printing of patient reports.
1.5	Capability to integrate with the HIS and transfer the data throughLAN / Wireless LAN to any other monitoring room / doctors desk.Should be HL-7 compatible for transmitting and receiving data to/fro LAN/HIS
1.6	Monitoring parameters:-ECG,respiration,NIBP,SpO2 and temperature,IBP-2 nos
1.8	Should have EtCO2 module (Optional)
1.9	Should have minimum 10 inches multicoloured LCD display screen.
1.10	Should be Digital and have 6 waves / traces display
1.11	Monitor should have audible and visual alarms capability. Alarms should have three distinct audible alarm tones to distinguish alarm levels as under. Also monitor should permit automatic viewing of alarming parameter waveform and numeric from any bedside
1.12	Should include hemodynamics calculations and vital sign and graphic trends. Trends should be automatically stored for at least 24 hours in at least one-minute intervals.
1.13	Convenient handle for carrying the equipment
1.14	Able to fix with bed/trolley.
1.15	Battery back up for minimum 3 hour.
1.16	Should have upgradation facility.
1.17	Power input to be 220-240VAC, 50Hz fitted with Indian plug and rechargeable battery.

2	**System Configuration Accessories, spares and consumables for Transport monitor**
2.1	ECG/Resp :5 Lead ECG Cable with clip- 1 sets per monitor and 10 Lead ECG Cable with clip- 1 set per monitor.
2.2	NIBP:Adult cuff- 2nos. per monitor and pediatric cuffs- one per monitor(complete sets)
2.3	SpO2:Adult SpO2 sensor with cable- two nos per monitor ,Pediatric SpO2 sensors- one no. per monitor
2.4	Temperature: Rectal temperature probe- two per monitor and skin temperature probe- one per monitor.
2.5	NIBP Module
2.6	IBP Module : Include four nos. per monitor of reusable pressure transducer with bracket, holder and 25 nos disposable domes per monitor.
2.7	EtCO2 Module:optional
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/European CE certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	Two numbers of complete User/Technical/Maintenance manuals to be supplied in English .
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

35	**PATIENT TROLLEY**
1	**Technical Specifications**
1.1	Should be a general purpose patient trolley.
1.2	Frame of MS pipe of 2 cm dia and thickness 1.5 mm approx.
1.3	Mounted on 4 castors of size 20 cm dia. Castors of high quality.

1.4	Removable stretcher top made of 1.5mm thick aluminium sheet of high quality pressed on tubular frame, with no sharp edges, with holding handles.
1.5	Frame pretreated and epoxy powder coated.
1.6	Approx.Size L 2000mm Weight-560mm, Height – 850mm approx
1.7	Should have oxygen cylinder holder and S.S IV roads with two hooks
1.8	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

36	**PHONE - LOCAL PURCHASE**

37	**PORTABLE ULTRASOUND**
1	**Technical Specification**
1.1	System should be latest generation state of the art portable colour Doppler for Abdominal, Vascular, Obstetrics & Gynaecology, Musculoskeletal, small parts application etc., with suitable evaluation and measurement packages
1.2	Features Remarks
	System should be offered with following Broad Band width Transducers:
	(i) Convex Array Transducer (frequency range of 2 to 4 MHz) (+/- 1 MHz)
	(ii) Linear Array Transducer (frequency range of 4 to 10 MHz) (+/- 1 MHz)
	(iii) Broad band micro convex transducer (frequency range between 4 to 8 MHz) (+/- 1 MHz)
1.3	System should have following modes:
	2 D, M Mode, Pulsed Wave, Continuous Wave, Colour Flow Imaging & Colour Power Angio Imaging,
	Tissue Harmonic Imaging should be available at least in one transducer.
1.4	Digital Processing Channels – 60 or more digital channels for high resolution imaging with acquisition rate of at least 50 frames per second
1.5	Grey scale (min. 256 or more)
1.6	Broad Bandwidth Beam former technology transducers for extreme high resolution 2D Imaging

1.7	System should have facility for gain adjustments using slide pot controls/Auto gain facility.
1.8	Should have minimum one active ports with direct switching from console
1.9	System should have a High resolution Non Interlaced flicker free, antiglare, Flat Panel Display of 10 inches or more.
1.10	System should have Image Management facility with facility for direct storage of Images and loops in the Hard Disk Drive and also thumbnail review to view & edit Images, loops and also reports
1.11	Display Annotation, Patient id display and alpha numeric key board with track ball & provision for reverse, invert facility
1.12	Complete package for measurement and calculation provision for distance, area, volume & Circumference etc.
1.13	Weight of the equipment should not be more than 6 Kg.
1.14	Image Storage: Should have inbuilt hard disk for image storage. Specify image storage capacity
	Image Archival:
1.15	Inbuilt CD writer/ Flash drive with the facility to transfer images
1.16	DICOM ready (Send, Quarry, print, view)
1.17	System should have direct connectivity to Colour laser printer or through PC (PC to be supplied by the bidder) for printing images & report
1.18	System should have extensive Calculation software package for General Imaging, Ob/Gyn & Vascular Imaging
1.19	Inbuilt battery backup for 2 hrs appox.
1.20	Free software upgrade(s) during the period of warranty/CMC
2	**Accessories:**
2.1	Lockable mobile trolly where the portable machine can be lock.
2.2	Colour laser Printer for direct printing of Images from the system (with CE or FDA mark) (min dpi of 1200)
2.3	Biopsy attachment for the Convex, and Linear probes
2.4	Thermal printer
3	**Standards, Safety and Training**

3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.
3.3	Training and demonstration for staff and support services till familiarity with the system.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
4.2	Certificate of calibration and inspection from factory
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.Copy of the same should be enclosed along with the technical bid.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
38	**PORTABLE VENTILATOR**
1	**Technical Specifications**
1.1	The portable ventilator should be light weight (< 10 kg)
1.2	Should be microprocessor controlled
1.3	Should operate with main electric supply as well as with battery.
1.4	Should be able to work both with cylinders,pipeline & room air. Connectors and high-pressure tubing of appropriate length to be supplied.
1.5	Should have turbine/venturi/jet mixing- technology for supplying air- oxygen mixture
1.6	Should have following modes of ventilation:
	CMV, Assist-control, SIMV, PS-PEEP
1.7	Audio-visual alarms for
	a. Low supply pressure
	b. High/low airway pressure
	c. Leakage/disconnection
	d. Power failure
	e. Apnea
	f. Low battery
1.8	Should have following settings
	a. TV 50 – 1500ml

	b. PEEP/CPAP & PS
	c. RR up to 40bpm
	d. I: E ratio 1:2 to 2:1
	e. FiO_2 21 – 100%
1.9	Should have battery back up for minimum 2 hour, and additional port for recharging from ambulance
1.10	Should fix, on rails of transport trolley and on stand with wheels.
1.11	Power input to be 220-240VAC, 50Hz
2	**System Configuration Accessories, spares and consumables**
2.1	Adult Reusable /Auto clavable Silicon Patient Circuit-02
2.2	Paediatric Reusable/Auto clavable Silicone Patient Circuit-02
2.3	Oxygen Hose-01
2.4	Air Hose-01
2.5	Rechargeable Batteries- 01 set
2.6	charger-01 No
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	User/Technical/Maintenance manual to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

39	**PORTABLE X-RAY- 100mA**
1	**Operational requirements**
1.1	Should be compact, lightweight, easily transportable mobile radiographic unit suitable for bedside x-rays.

1.2	The unit must have an effective braking system for parking and transport. The tube stand must be fully counterbalanced with rotation in all directions
1.3	Exposures with remote control should be available.
1.4	The unit must have cassette storage facility for all size of cassettes
2	**Technical Specification**
2.1	**The Generator:**
a	Should be microprocessor controlled high frequency, output 10 KW or above.
b	It should have a digital display of mAs and kV.
c	KV range should be 40kV to 90kV
d	mA range should be 100 mA or more
2.2	**X-Ray Tube**
a	Rotating anode with at least 3000 rpm and focal spot size should be 1 mm. or less.
b	Light Beam Collimator of multi leaf type with auto cut off switch
c	The exposure release switch should be detachable with a cord of sufficient length as per ICRP recommendation
3	**Standards, Safety and Training**
3.1	Should be AERB type approved product and comply with AERB Guidelines for radiation leakage and X-Ray equipments.Copy of the type approval should be attached along with the technical bid.
3.2	Should be FDA or CE approved product
3.3	Calibration/Acceptance test certificate from the factory required.
3.4	Manufacturer/Supplier should have ISO certification for quality standards.
3.5	Warranty and CMC as per tender conditions
4	**Documentation**
4.1	User Manual in English
4.2	Service manual in English
4.3	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.4	List of important spare parts and accessories with their part number and costing.
4.3	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

40	REFRIGERATOR - 200 L
1	**Technical Specifications**
1.1	System should be single door type
1.2	Capacity of storage should be 200 litres
1.3	Temperature range should be 2-8 digree
1.4	Should have auto defrost facility
1.5	Should be with minimum 4 star energy rating
1.6	Should be CFC free
1.8	Should have 2 nos of shelves
1.9	Size approx: 534 x 540 x 1250 mm
1.10	Colour : white/silver or other light colours
1.11	Should be supplied with base stand
1.12	Should be supplied with suitable stabilizer of standard make
1.13	Power input to be 220-240VAC, 50Hz fitted with Indian plug
2	**Standards, Safety and Training**
2.1	Munufacurer should have ISO certification. Copy of the same should be submitted along with the technical bid.
3	**Documentation**
3.1	User/Technical/Service manual should be provided
3.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

41	PHARMACEUTICAL REFRIGERATOR
1	**Description**
	Used for storing blood plasma and other blood products,vaccines , other medical or pharmaceutical supplies.Also to cool samples or specimens for preservation
2	**Technical Specifications**
2.1	Capacity:300 - 400 L
2.2	Temperature :Temperature 2-8° C.
2.3	Material of Construction:It should have galvanized sheet steel construction, white powder coated and SS interior
2.4	Insulation:High-grade pressure – foam material.
2.5	Door:Lockable door with plastic magnetic sealing surround.
2.6	Air-Cooling System :Should have re-circulating air-cooling system.

2.7	Control Panel Features :Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display and Humidity selection.
2.8	Compressor Type :Hermetically enclosed, low noise, vibration proof compressor.
2.9	Alarm :Audio visual alarm system.
2.10	Other Features
	Should be CFC free & low noise
	Should have automatic defrosting and condensed melt water evaporation.
	No welded joint to be exposed for rusting.
	Should have Interior lighting & Adequate circulation of air to ensure even coolin
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/ European CE certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	User/Technical/Maintenance manual to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
4.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
42	**SINGLE COT WITH MATRESS**
1	**Technical Specifications**
1.1	Single metal bed, strong and sturdy .
1.2	Size approx 2010 mmL x 600 mmW x 500 mmH (bed surface).
1.3	Frame of 20 mm Ms tube of 1.5 mm thickness.
1.4	With head and foot boards
1.5	With PVC/hard rubber foot stumps.
1.6	Sleeping surface of 20 gauge MS sheet welded to at least 4 cross pieces.(20 SWG)
1.7	All metal parts to be pretreated and epoxy powder coated.

1.8	To be provided with good quality coir-foam 10cm thick mattress with washable upholstery and smooth foam filled pillow (queen size) with plain polyester cloth cover.
43	**SPHYGMOMANOMETER - MERCURY TYPE**
1	**Technical Specifications**
1.1	Should be merucry type sphygmomanometer
1.2	Maximum error tolerance should be +/ - 3mmHg
1.3	Should be 99.99 % pure Mercury
1.4	Should have precision air release valve
1.5	Should have micro filter for long life
1.6	The desk mercurial sphygmomanometer should have aluminium painted case with self locking and adult nylon cuff with velcro tape
1.7	Should have metal face plate with easy to read scale upto 300mmHg (bore size 5mm)
1.8	Should have graduated glass scale with inside diameter of 3.5mm and a clear reading scale
1.9	Should have mercury lock to secure mercury during storage, transport or maintenance
1.10	Special seal should be there against mercury contamination
1.11	Fold down cover should have spring lock mechanism
1.12	Should have large storage compartment for cuff & Rubber bulb
1.13	Should have cleaning device for glass tube
2	**System configuration, accessories, spares and consumables**
2.1	Bladder
2.2	Bulb
2.3	Should be supplied with all standard acessories
3	**Standards, safety and Training**
3.1	Company should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	Warranty as per tender terms.
3.3	Calibration/Acceptance test certificate from the factory required.
4	**Documentation**
4.1	User Manual in English

5.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

44	**STETHOSCOPE**
1	**Technical Specifications**
1.1	Should be Littman or equivalent
1.2	Should have single lumen binaural.
1.3	Should be of soft sealing ear tip type
1.4	Colour should be black or gray
1.5	Approximate length should be 70 cm.
1.6	Chest piece should be of stainless steel, two sided type
1.7	Total weight should be less than 200 gms
1.8	Manufacturer should have ISO certification and copy of the same should be submitted along with the technical bid.
2	**Documentaion**
2.1	User manual
2.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

45	**OPEN STORAGE SHELF**
1	**Technical Specifications**
1.1	Should be open, slotted angle, medium duty (unit of 180.cm H x45cm D x 90 cm L shelves)
1.2	Storage shelf (180 cmH x 90 cmL x 45 cmD)
1.3	Sheet steel cupboard, epoxy powder coated.
1.4	High quality, cold rolled, close annealed (CRCA) steel.
1.5	With 4 shelves.
1.6	Anticorrosion treated components, treated with seven steps of anti corrosion process.
1.7	CRCA specification: 1S – 513
1.8	Surface free from flaws, roll marks, dents, lines etc.
1.9	Oven backed epoxy powder coating.
1.10	Colour ivory / graphite grey.
1.11	Shelf sheet thickness: 0.8 mm
1.13	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

46	SYRINGE PUMP
1	**Technical Specifications**
1.1	The syringe pump should be programmable, user friendly, safe to use and should have battery back up and comprehensive alarm system. This should be able to integrate in the HIS
1.2	Flow rate should be programmable from 0.1 to 999.9 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. Should save last infusion rate even when the AC power is switched OFF.
1.3	Bolus rate should be programmable to 1000 ml/hr or more with infused volume display. Reminder audio after every 0.5 ml delivered bolus. Should save last Bolus rate even when the AC power is switched OFF.
1.4	Display of Drug Name with a provision of memorizing more than 25 names by the operator
1.5	Keep Vein Open (KVO) must be available 1.0 ml/hr or set rate if lower than 1.0 ml. User should have choice to disable KVO whenever desired.
1.6	Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg
1.7	Must Work on commonly available ISI/CE/FDA APPROVED/CERTIFIED 20, 50/60 ml Syringes with accuracy of minimum of +/-2% or better.
1.8	Should have automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc.
1.9	Anti bolus system to reduce pressure on sudden release of occlusion
1.10	Should have comprehensive alarm package including: Occlusion limit exceed alarm, Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm and alarm, AC power failure, Drive disengaged and preventive main
1.11	Rechargeable Battery having at least 5~6 hour backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred
2	**System configuration Accessories,spares and consumables**
2.1	System as specified

2.2	Mounting device/ Docking Station for two or four pumps as per requirement so as to enable to power up to 2-4 pumps with one power cord when mounted on IV pole.– 01
3	**Power Supply**
3.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug
4	**Standards, Safety and Training**
4.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
4.2	The quoted model should have US FDA/ European CEcertificate and copy of the same should be enclosed along with the technical bid.
5	**Documentation**
5.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English.
5.2	Certificate of calibration and inspection from factory.
5.3	Warranty & CMC as per tender terms.
5.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
5.5	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

47	**TELEVISION - LOCAL PURCHASE**

48	**DIGITAL THERMO METER**
1	**Technical Specifications**
1.1	Should measure temperatures and displaying it with LCD/LED
1.2	Should be Portable, and battery operated system
1.3	Temperature mesurement range should be - 40 deg C to 210 deg C
1.4	Should have LCD/LED readout
1.5	Temperature measurement accuracy should be ± 0.1 ^{o} C
2	**System Configuration Accessories, spares and consumables**
2.1	Should quote Temperature probes -(quote prices for both surface and internal probes)
3	**Standards, Safety and Training**

3.1	Manufacturer should have ISO certification for quality standards.
4	**Documentation**
4.1	Complete service manual and operating manual must be provided
4.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

49	**TORCH - LOCAL PURCHASE**

50	**WHITE BOARD - LOCAL PURCHASE**

51	**ULTRASONIC NEBULIZER**
1	**Technical Specification**
1.1	Should be light weight, portable, Compact and easy to use.
1.2	Frequency of ultrasonic generator should be greater than 2.5 MHz
1.3	Should have 3 speed nebulization rate control (minimum, medium, maximum)
1.5	Should have a nebulisation capacity of 0 to 3 ml/min.
1.6	Should produce Mist particle size :Approx 1-5 microns
1.7	Transducer element should have life of at least 5000 hours
1.8	Medication cup should have capacity of 5-50 ml
1.9	Should uses water as ultrasonic conduction medium, no gel is required.
1.10	Should provide silent operation.
1.11	Should have a built in timer and timer may be set for any desired point between zero and 30 minutes
1.12	Power supply input should be230V 50Hz
2	**Acessories,Spares and Consumables**
2.1	Should be provided with a complete nebulisation kit of 10 Nos. including adult and child mask and medication cup – 5 Nos
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have FDA/CE/BIS certificate and copy of the same should be enclosed along with the technical bid.

4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English
4.2	Certificate of calibration and inspection from factory.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**

52	**VACCUM CLEANER - LOCAL PURCHASE**

53	**WASTE BIN - SS**
1	**Technical Specifications**
1.1	Should be constructed from stainless steel.
1.2	Should have removable inner container of S.S. material.
1.3	Capacity 10 litre or more
1.4	Should have foot operated lid opening.
1.5	Size: 28 x 36cm (approximate)

54	**AMBUBAG**
1	**Ambu Bag – Adult**
	Should have silicon rubber bellow to withstand autoclave at 134 deg. C
	Should provide with autoclavable face mask & Oxygen connecting tube.
	Should be supplied with a carry pouch.
	It should have a bag volume of 500 ml. and a variation of ± 100ml. will be accepted.
	Should have an expiratory resistance of 2.2cms of water
	Should have an inspiratory resistance of 3.3cms of water.
	It should have controlled flow rates and ventilation, and with reduced airway pressure.
	Should have a port in the bag to connect oxygen with reservoir bag
2	**Ambu Bag – Pediatric**
	Should have silicon rubber bellow to withstand autoclave at 134 deg. C
	Should provide with autoclavable face mask & Oxygen connecting tube.

	Should be supplied with a carry pouch.
	It should have a bag volume of 300 ml. and a variation of ± 100ml. will be accepted.
	Should have an expiratory resistance of 2.2cms of water
	Should have an inspiratory resistance of 3.3cms of water.
	It should have controlled flow rates and ventilation, and with reduced airway pressure.
	Should have a port in the bag to connect oxygen with reservoir bag
55	**PRESSURE INFUSOR BAG**
	Should be designed for speeding infusion of blood, blood plasma, and other liquids.
	Should be made of durable, latex free polyurethane for easy to clean and reusable
	Wraparound design allows the fluid bag can be replaced quickly and easily allows a clear view of the fluid bag and fluid level which provides consistent pressure on the complete cuff
	Consistent pressure is exerted on the complete bag by pump-fitted bulb which is convenient and easy to use
	Transparent cuff provides good visibility of the fluid bag and allows visualization of fluid level from any angle
	Convenience reinforced IV pole loop facilitates easy loading, unloading from an IV pole
	The built-in hook allows the fluid bag to be replaced without removing infuser from the I.V. pole
	Color-coded aneroid pressure gauge helps maintain the desired infusion pressure
	Shock resistant gauge provides a long service life than conventional manometers
	Strong no-crimp tubing preventing occlusion
	Palm-fitted, efficient inflator bulb makes inflation easy and fast with one-handed
	3-way stopcock allows to be deflated almost instantly without squeezing the bulb
	Quick connect fitting provides an audible “click” for assurance of leak-free connection and allows tubing rotation to prevent accidental disconnections or kinked tubing.
	Latex-free

	1000 ml in size.

56	**WATER DISPENSOR**
1	**Technical Specifications**
1.1	Should be floor mounted type
1.2	Should have 3 faucets and having facility of Normal, Hot and Cold water
1.3	Display should be LED/LCD type
1.4	Should have hot water dispensing lock
1.5	Cooling Cabinet temperature (Degrees Celsius): 10 Deg.
1.6	Capacity approx:
a	Hot water Storage Capacity (litres): 0.8
b	Cooling Capacity (litres/hr): 3
c	Heating Capacity (litres/hr): 5
1.7	Power : 230V/50Hz
1.8	Colour: Preferably blck
1.90	Manufcturer should be ISO certified.

57	**WHEEL CHAIR**
1	**Technical Specifications**
	Durable and light weight foldable wheel chair.
	Seat and back rest supported by foldable and strong reinforce plastic fabric which can support the body weight and repeated folding. Washable.
	Light weight front wheel of bicycle type 1100 mm dia with plated. spokes and rim of high quality. Self propelled type.
	Front swivel castor of 100 mm dia, of high quality.
	Retractable foot rest, light weight arm rest.
	Wheel brake.
	Push handle.
	Frame of high quality, light weight aluminium tubing of adequate wall thickness, suitably pretreated and powder coated
	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
	Manufacturer should have ISO certification
58	**X RAY VIEWING PANEL (2 IN 1)**
1	**Technical Specifications**

1.1	Should be Two in One type (For two films size 14″X 17″ each) with separate compartments & individual switching on should be possible.
1.2	It should have acrylic make white sheet with two big fluorescent circular tubes
1.3	with electronic ballasts for instant switching on.
1.4	It should have concealed film holding device with Cord & Plug.
1.5	The view box should be made of shock proof good quality material
1.6	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid.**
1.7	Should be supplied with all wall mounting acessories
59	**PNEUMATIC LEG COMPRESSION DEVICE**
1	**Technical Specifications**
1.1	Should be microprocessor controlled Intermittent Pneumatic Leg Compression system suitable for DVT Prophylaxis as well as reduction of acute post-operative odema.
1.2	The system should be portable one.
1.3	Should have programmable Inflation & Deflation/Rest rate
1.4	Should have mounting facility to mount on bed.
1.5	Should supply with carrying case & mounting set.
1.6	Should be supplied with all standard accessories necessary for working of the system.
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
2.3	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
3.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the

	price bid.
3.3	Must submit atleast 3 user list and performance report within last 5 years from reputed clients.
60	**VIDEO LARYNGOSCOPE**
1.1	Should be a video laryngoscope convenient for tracheal intubation.
1.2	Should have a camera for live Image capturing
1.3	Should have LED light illumination
1.4	Should have color Image display facility LCD/TFT display
1.5	Should have provision to insert all sizes of endotracheal tube
1.6	Should have a provision to introduce all sizes of suction catheters
1.7	Should have water proof protection
1.8	Should be supplied with rechargeable battery and provision for recharge.
1.9	Should have a battery backup facility of minimum 1 hr .
1.10	Should have all blade sizes/adjustable for adult and paediatric laryngoscopy. If the blades are disposable, should supply 50nos. of blades compatible for both adult and paediatric along with each unit.
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
2.3	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
3.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
3.3	Must submit atleast 3 user list and performance report within last 5 years from reputed clients.

61	**HAND DRYER- LOCAL PURCHASE**
1	**Technical specifications**
1.1	Should be wall mount type
1.2	Should have infrared sensor for automatic detection of hands
1.3	Should have brushed 304 SS finish
1.4	Motor should be atleast 1/10 HP at 7500 RPM
1.5	Dryer should deliver the flow of 7300 LFM
1.6	Should work on 230V, 50 Hz power supply
1.7	Should supply with all accessories such as clamps for mounting
62	**INDUCTION COOKER -LP**
	Should be reputed make
	Should have Elegant black finish body.
	Should have Automatic voltage regulator.
	Dual heat sensors.
	Should have Wider display panel and preset timer
	2000 watts power.
	Should be with One year warranty
63	**ALPHA BED**
1	**Technical specifications**
1.1	System for active pressure relieving mattress for defense against pressure ulcers
1.2	Should have End flaps for secure fixing
1.3	Mattress should have minimum dimension of 185 x 75 x 7 cms to fit almost any standard hospital bed
1.4	Mattress should be made of PU (Polyurethane) materials for durable and long lasting.
1.5	Mattress should have Bubbled construction.
1.6	Mattress should be light weight and washable.
1.7	Pump should be compact, and unobtrusive
1.8	Pump air flow shall be 4 LPM
1.9	Cycle time of inflation & deflation should be 3/5 minutes.
1.10	Pump should have visual low pressure indicator / alarm
1.11	Pump should have Manual pressure control
1.12	Mattress should support patients up to 100 Kgs.
1.13	Pump should have Fold away hanging hooks or built in brackets for mounting easily to bed.
1.14	User guidelines should be printed on pump
2	**Standards, Safety and Training**

2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
64	**PATIENT WARMER**
1	**Technical specifications**
1.1	Should have precise digital temperature control with selectable range of 37degree celsius to 42 degree Celsius
1.2	Control panel should display intended and actual temperatures.
1.3	Control unit should regulate warmth to every area of quilt by use of Carbon Fibres.
1.4	Quilt should have non antibacterial , coating , blood and fluid resistant covers which is washable,autoclavable,and replaceable
1.5	Should have safety features such as precise temperature control, automatic check and auto stop on detecting any problems
1.6	Control unit should be light weight and small in size.
1.7	Should have noiseless operation.
1.8	Should operate on 220-240 volts AC.
1.9	Should have standard accessories.
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
65	**TABLE TOP STERILIZER**
1	**Operational Requirements**
	Microprocessor Controller with programmable by user
2	**Technical Specification**

2.1	**Sterilizer Type:** Table Top Sterilizer.
2.2	**Capacity:** 20-25 litres
2.3	**Chamber Size:** The sterilizer should have Rectangular /Circular chamber apprx 250x250x450 for maximum processing capacity per charge.
2.4	**Types of Cycles Process:** Table Top Sterilizers should be equipped with B-process as per latest international standards
2.5	Chamber Should be made of S.S.316Ti /SS316L
2.6	Chamber should have minimum 10 years warranty
2.7	Chamber should have working pressure 2.2 bar & design pressure upto 3.8 bar.
2.8	Chamber should be equipped with electrically heated jacket for preheating on stand by mode.
2.9	**Door Design:** Should have horizontal sliding door/Hinged with silicon elastomer rubber gasket to withstand temperature upto 140°C & 2560 kg pressure.
2.10	**Air Filter :** An disposable air filter should be provided for filtering the atmospheric air before entering inside the chamber.The filter seperation efficiency should be higher than 99.998% for particle size less than 0.3µm.
	Cycle programs:
	134°C Wrapped & Unwrapped
	121°C Wrapped & Unwrapped
	134°C Flash/Rapid open instrument cycle.
	34°C Textile.
	134°C Prion.
	Test programs : Bowie & Dick, Leak Test, Helix Test
2.11	**Water Storage Tank:** Sterilizer should have inbuilt water reservoir with storage capacity up to 5 Lits. The water reservior should have easy access for cleaning .
2.12	**Steam Generator:** Sterilizer should have inbuilt steam generator with warranty of 10 years on heating elements. The steam generator design should be with integrated energy storing system for building up power for sterilization loads in short time.
2.13	**Control Panel:** The control system should be microprocessor based PLC system specially designed for sterilization applications. The control system should have CPU processor with battery back-up, Digital input/output controls, analog measuring inputs & COM ports for printer & PC connectivity.

2.14	**Alarms:** Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase time-out, doors not properly closed, power failure (less than 10 sec should be ignored), continuous self checking of all the safety devices, low water level etc. All the alarms should be audio-visual.
2.15	**Accessories:** The sterilizer unit should included Rack with 5 levels & suitable size instrument trays should be the part of the supply for every sterilizer. The Sterilizer should have water circulation system so that no drain point & fixed water inlets required.
3	**Standards, Safety and Training**
3.1	Manufacturer should have ISO 13485:2003 for quality standards and copy of the certificate should be submitted along with the technical bid.
3.2	The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
3.3	Comprehensive training should be given for staffs and engineers till familiar with the system.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
4.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
4.3	Must submit atleast 3 user list and performance report within last 5 years from reputed clients.
66	**FLUID WARMER**
1	**Technical Specification**
1.1	Should be micro processor controlled Infusion Warmer system.
1.2	Should be inline heating system without use of any water of dedicated IV set
1.3	The system should work with regular IV sets.
1.4	Flow Rates should be KVO to 30,000ml/hr
1.5	Should have Temperature Selection facility preferable from 37 to 43 deg
1.6	There should be no loss of heat during delivery of fluid/Blood once warmed for delivery up to patient

	access point.
1.7	Should be mountable to standard IV pole.
1.8	Should have digital temperature display
1.9	Should be easy to use and to clean
1.1	Should have low-high temperature alarm
1.11	5 disposable warming sets should be supplied along with each machine.
2	**Power Supply**
2.1	Power input to be 220-240VAC, 50Hz
3	**Standards, Safety and Training**
3.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
3.2	The quoted model should have US FDA/CE certificate and copy of the same should be enclosed along with the technical bid.
4	**Documentation**
4.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
4.2	Certificate of calibration and inspection from factory.
4.3	List of important spare parts and accessories with their part number and costing should be quoted.
4.4	Warranty & CMC as per tender terms.
4.5	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.Copy of the same should be enclosed along with the technical bid.
4.6	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the price bid.
67	**PULSE OXIMETER**
1	**Operational Requirements**
1.1	Suitable for all types of Patient range: Adult, pediatric, infant, and/or neonate
2	**Technical Specifications**
2.1	Display- LCD, Backlight illuminated
2.2	Parameters and waveform displayed- SPO2, pulse rate, system status, plethysmogram, menus for user settings
2.3	SPO2 range- 0-100 %
2.4	Accuracy of SPO2- +3%
2.5	Pulse rate range should be 0-240 bpm

2.6	Audiovisual Alarms- High/low SPO2 and pulse rate, sensor off, sensor failure, low battery
2.7	Alarm override facility
2.8	Cable length should be minimum 1 meter
2.9	RS 232C Interface for data communication.
2.10	Battery back-up operating time 5 hours internal & rechargeable.
3	**System configuration,spares and consumables**
3.1	System as specified-
3.2	Reusable SPO2: Adult SPO2 sensor with cable- two nos. per monitor, Paediatric and Neonate SPO2 sensors- one no. per monitor.
4	**Standards, Safety and Training**
4.1	Manufacturer should have ISO 13485:2003 for quality standards and copy of the certificate should be submitted along with the technical bid.
4.2	The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
4.3	Comprehensive training should be given for staffs and engineers till familiar with the system.
68	**FLEXIBLE FIBEROPTIC BRONCHOSCOPE**
1	**Technical Specification**
1.1	The Flexible Fiberoptic Bronchoscope should be supplied complete with video processing system, light source and trolley.
1.2	Should be light weight, high resolution bronchoscope with light cable.
1.3	Field of view 120 degrees or more
1.4	Depth of field 3mm to 50 mm or better
1.5	Distal end dia 5 mm appox. (Should allow 6.5mm endotracheal tube to be mounted easily)
1.6	Bending range UP 180 degree or DOWN 130 degree.
1.7	Working length 600 mm ± 10
1.8	Channel dia 2 mm or more.
1.9	Autoclavable suction valve to avoid risk of cross contamination.
1.10	Telescopic eyepiece for direct compatibility to CCTV system
1.11	Bending mechanism knob without lock.
1.12	Fully immersible in disinfectant solution
1.13	Leak testing facility with automatic & pressure regulated air feeding (nonpressure gauge system

	preferable)
1.15	**Halogen Light Source:**
	a. It should be compact and light weight around 5-6 kg or less for easier transportability.
	b. Should have 150 Watts halogen lamp with standby lamp option. Additional 4 nos. bulbs to be included.
	c. Should be compatible with flexible endoscope.
1.16	**Video Processing System**
	a. Fully immersible camera head and cable assembly
	b. Video processing camera.
	c. 1/4 inches CCD (Closed circuit display) with 10 bit digital signal processing.
	d. In built filter for compatibility with fiberoptic endoscopies
	e. Resolution: 470 horizontal lines approx.
	f. Signal to Noise Ratio > 50 dB.
	g. Rotatable and detachable coupler(adaptor) with focussing facility. Video output Y/C and composite.
	h. Software and hardware for recording Live and Still images
	i) Automatic white balance function
1.17	**Monitor**
	Should be a 14 /16 inches LCD TFT medical grade monitor
	Should have provision for accepting RGB, S-video and composite video signal.
	Should have minimum 1Kx1K resolution.
	Should have wide viewing angle.
	Should work with input 200 to 240Vac 50 Hz supply
2	**System Configuration Accessories, spares and consumables**
2.1	Flexible Fiberoptic Bronchoscope- 01
2.2	Video processor- 01
2.2	Light Source, Halogen -01
2.3	Mobile Plastic Operating cart- 01
2.4	Spare Halogen Bulbs- 04
2.5	Reusable and autoclavable biopsy forceps- 2 nos
2.6	Cleaning/maintenance kit including container for disinfectant solution- 1 set
2.7	Brush Biopsy (Protected)- 50 pieces.
2.8	Foreign body forceps basket type- 2 nos.
3	**Power Supply**

3.1	Power input to be 220-240VAC, 50Hz
4	**Standards, Safety and Training**
4.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
4.2	The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
4.3	Comprehensive training should be given for staffs and engineers till familiar with the system.
4.4	Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
5	**Documentation**
5.1	Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).
5.2	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
5.3	Must submit atleast 3 user list and performance report within last 5 years from reputed clients.
69	**PATIENT MONITOR-3 PARAMETER**
1	**Operational Requirements**
1.1	Capability of storage of patient data and printing of patient reports.
2	**Technical Specifications**
2.1	Minimum 9 inches multi colored TFT display screen.
2.2	Four digital and waveforms/traces display
2.3	Combination of single, dual and multi parameter modules.
2.4	Parameter modules freely exchangeable between all the monitors.
2.5	Multi channel (up to 12 leads) ST segment analysis.
2.6	Facility to monitor and display - ECG, Respiration, NIBP,and SPO2,
2.7	Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
2.8	Capability to integare with HIS
2.9	Integrated or external printer for report output.
2.1	Monitor should be supplied with swivel type wall

	mounts
3	**System Configuration Accessories, spares and consumables**
3.1	ECG/Resp: 5 Lead ECG Cable with clip- one no per monitor
3.2	NIBP: Adult cuff- one no per monitor and two sizes of pediatric cuffs- one per monitor neonatal reusable cuff two /monitor(complete sets)
3.3	SPO2: Adult SPO2 sensor with cable- one no. per monitor and Pediatric SPO2 sensors- one no. per monitor.
4	**Power Supply**
4.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug
5	**Standards, Safety and Training**
5.1	Should be FDA and CE approved product.Bidder should attach the copy of certificate
5.2	Manufacturer/Supplier should have ISO certification for quality standards.Bidder should attach the copy of certificate
5.3	Should have local service facility .
5.4	Back to back warranty to be taken by the supplier from the principal to supply spares for a minimum period 10 years.
6	**Documentation**
6.1	User Manual in English
6.2	Service manual in English
6.3	Must submit user list and performance report within last 5 years from major hospitals.
6.4	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
6.5	List of important spare parts and accessories with their part number and costing
70	**PROCEDURE BED**
1	**Technical Specifications**
1.1	High quality procedure bed.
1.2	Mattress base 2 sectional.
1.3	Base plate of sheet steel, pre treated with epoxy powder coating. Intermittent drilled holes of 1 cm dia to allow fluid drainage.

1.4	Lower frame and intermediate frame of steel tubes of rectangular and square sections, multiple pretreated and epoxy powder coated.
1.5	Castors of 150 mm dia, anti static with high quality brakes.
1.6	Central braking and central steering.
1.7	Bumpers on all corners to prevet damage due to hitting.
1.8	Size (approximate):
1.9	Length: 2050 mm bed surface, 2125 mm with frame.
1.10	Width: 750 mm.
1.11	Bed surface size: 705 mmW x 1950 mmL.
1.12	Mattress – High density foam mattress anti microbial treated with water proof flame retardant, antimicrobial, leather like upholstery.
1.13	Adjustments
1.14	High quality procedure trolley with state of art facilities
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
71	**PATIENT BED-2SECTION**
1	**Technical Specifications**
1.1	2 section top made of welded mesh of 20 guage, grid size 2cm x 2 cm.
1.2	Frame made of rectangular/ square mild steel section of size and section suitable to provide structural strength. (20x20mm, 1mm thick)
1.3	Back rest section, maneuvered by screw handle from foot end.
1.4	Tubular head and foot end bows of at least 2 cm dia and suitable thickness of mild steel.
1.5	One IV rod with own hooks, chromium plated.
1.6	Slot for IV rod at each of the fair corners.
1.7	Anti-slip PVC stump of durable quality for legs.
1.8	Finish-multiple layer pretreatment and epoxy

	powder coating.
1.9	To be supplied with rubberized coir foam mattress of high quality, 10 cm thick. Covered with waterproof anti microbial upholstery. Pillow-soft rubberized foam with antimicrobial cover.
1.10	Colour: Ivory / Grey
1.11	Dimensions 2100 mm L x 850 mm W x 50cm (sleep surface)
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
72	**JUNIOR EXECUTIVE TABLE**
	Table size shall be : 1650x900x750mm with worksurface of pre-laminated board(PLB) of thickness 25 mm.
	All worksurface edges shall be duly sealed with 2mm thick beading.
	The understructure shall be tabular frame, side, front and back panels and front support tube.
	The tabular frame shall be made from MS ERW square tube 30x30x1.6 mm thick.
	The side, front and back panels shall be made from pre-laminated twin board of 18 mm thickness.
	The front support tube shall be made from MS ERW tube of 32 x 19 x 1.6 mm thick. The 3-Drawer Unit of overall size 439 (W) x 536 (H) x 729 (D) shall be a combination of pre-laminated board and MS sheets .
73	**CONFERENCE TABLE**
1	**Technical Specifications**
1.1	Providing & Fixing Conference Table with top made of 36mm thick board pressed with 0.4mm thick membrane foil clad pressed with PU glue.
1.2	The foil shall be precoated with a layer of polyurethane for better scratch resistance.

1.3	The table shall have understructure with verticals made of 25mm thick postformed particle board & modesty made of 18mm thick prelaminated particle board having decorative laminate on both sides.
1.4	The table shall also have provision for carrying wires & mounting switches etc.
1.5	Table shall also have shelf below made of 18mm thick prelaminated particle board.
1.6	The Round corner piece shall be made up of 36mm thick board pressed with 0.4mm thick membrane foil clad pressed with PU glue and supported with post of 65mm dia made of CRCA sheet duly powder coated
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
74	**NON-INVASIVE CARDIAC OUTPUT MONITOR**
1	**Technical Specifications**
	The monitor should be Non invasive technology based, portable, compact.
	It should have:
1.1	High resolution , light weight ,with at least 10" colour TFT display
1.2	Should be Impedance plethysmography principle based.
1.3	iNon invasive technique to measure continuous cardiac output (CO) and its variables i.e. CI,SV,SI,SVR,SVRI,HR
1.4	User friendly display and menu flow with patient information & compatible consumables
1.5	Real time signal processing
1.6	Data storage, analysis and reporting facility for at least 200 patients
1.7	Printer compatibility
1.8	Future upgradeable to peripheral flow measurement(both arterial & veins)
1.9	To be supplied with set of 50 patients consumables.

1.10	Should be supplied with all consumables and acessories required for standardization of the product.
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2	Product should be FDA/CE approved
2.2	Comprehensive training should be given for staffs and engineers till familiar with the system.
3	**Documentation**
3.1	Must submit atleast 2 nos of latest purchase order of the quoted model dated within 1 year along with the **price bid**.
75	**MINOR OPERATION THEATRE LIGHT**
1	Technical Specifications
1.1	Should be a ceiling mount simple OT light which is suitable for minor procedures
1.2	Should have 4 no of bulbs fitted in a single unit (dome) type
1.3	Lux output should be 45,000 lux or better
1.4	Should be halogen bulb type having rating 12V, 50W
1.5	The light should be ceiling mounted type.
1.6	Should be able to do the focusing by handle
1.7	The handle should be autoclaveable
1.8	Should have spring balance arm for vertical movements
1.9	Should have aluminium anodised parabolic reflector
1.10	Each unit should have halogen lamp of average life of 500 hours
2	**System Configuration Accessories, spares and consumables**
2.1	10 nos of spare bulbs should provided
3	**Standards, Safety and Training**
3.1	Manufacturer should have ISO certification
4	**Documentation**
4.1	User/Technical manual in English should be supplied.
4.3	Warranty & CMC as per tender terms.
4.4	Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
76	**NON-INVASIVE VENTILATOR**
	Technical Specifications

1.1	Compact ,light weight high perfprmance non - invasive ventilator with minimum 5 " LCD/TFT screen
1.2	Operation mode: Bi-level (2 pressure levels)S/T/ST,SIMV
1.3	Pressure range IPAP: 5 – 20 h P a (mbar)
	EPAP: 5 – 20 h P a (mbar)
1.4	Constant display: Pressure value, bar graph, date, time, alarm-clock-state
1.5	Should have additional Function
	Automatic leak compensation
	- Start-stop-automatic-control
	- Fall asleep – ramp 0-60 min
	- Leakage Test 0-90 s
	- Date, Time and Wake – up- function
	- Power failure alarm
	- Leakage alarm
	- Automatic Turbine start after power failure
	- Time counters : stand –by, turbine running, filter age, therapy
	- Adjustable time delay
1.6	ST-operation – S: Spontaneous : Triggered by respiration (trigger sensitivity should be adjustable over a range)
	T: Timed : Safety frequency (adjustable)
	ST: Spontaneous + Timed
1.7	Safety frequency – 5 / min-35/min in 1 / min – steps, modes : T and ST
1.8	Inspiration phase: 20% to 80% of respiration phase
1.9	Should have facility to supplement oxygen
1.10	Should be leak compensated
1.11	Should have battery back up of minimum 30 minutes
	Acessories,Spares and Consumables
2.1	Reusable face and nasal with textured dual flap silicone cushion flap for easy fit.(autoclavable)
2.2	Removable forehead support and pad to match the angle of patient's forehead(autoclavable)
2.4	Ball & Socket headgear attachments.
2.5	2 sets of all size autoclavable mask. (Small, Medium, Large) with each machine.

Reusable Pressure Infusion Bag
Should be designed for speeding infusion of blood, blood plasma, and other liquids.
Should be made of durable, latex free polyurethane for easy to clean and reusable
Wraparound design allows the fluid bag can be replaced quickly and easily allows a clear view of the fluid bag and fluid level which provides consistent pressure on the complete cuff
Consistent pressure is exerted on the complete bag by pump-fitted bulb which is convenient and easy to use
Transparent cuff provides good visibility of the fluid bag and allows visualization of fluid level from any angle
Convenience reinforced IV pole loop facilitates easy loading, unloading from an IV pole
The built-in hook allows the fluid bag to be replaced without removing infuser from the I.V. pole
Color-coded aneroid pressure gauge helps maintain the desired infusion pressure
Shock resistant gauge provides a long service life than conventional manometers
Strong no-crimp tubing preventing occlusion
Palm-fitted, efficient inflator bulb makes inflation easy and fast with one-handed
3-way stopcock allows to be deflated almost instantly without squeezing the bulb
Quick connect fitting provides an audible “click” for assurance of leak-free connection and allows tubing rotation to prevent accidental disconnections or kinked tubing.
Latex-free
1000 ml in size.

General Requirements

Note 1: Tenderer's attention is drawn to GIT clause 18 and GIT sub-clause 11.1(c). The tenderer is to provide the required details, information, confirmations, etc. accordingly failing which it's tender is liable to be ignored.

Note 2: General: Bidders are requested to make sure that they should attach the list of equipments for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer /Tester for Medical equipments to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipments.

Other Conditions

1. Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution
   a) 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.
   b) All software updates should be provided free of cost during Warranty period.

2. After Sales Service:

   After sales service centre should be available at the city of Hospital/Institution or nearest township (eg.Ernakulam) reachable within 4 hrs on 24 hrs X 7 days X 365 days basis. Complaints should be attended properly, maximum within 6 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.

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 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 may be quoted for next 5 years on yearly basis for complete equipments 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 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.
c) Cost of CMC will not be considered for price comparison 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.

Section – VII
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 with e mail address.
   b. telephone number
   c. 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 – VIII
Qualification Criteria

01. The intending Tenderer must be a Manufacturer or the Manufacturer's authorized Agent.

02. The Manufacturer or the Manufacturer's authorized Agent should have supplied, installed and commissioned satisfactorily at least One/Two/Three similar works within in the last five years costing not less than the amount as shown in the Tabular column below as **Annexure – Completion Certificate .**The applicant should submit successful completion certificates for the above works. The certificate issued by Client should contain date of start, date of completion, value on completion etc. Similar works means, Supply, installation, testing and commissioning of Medical Equipment and Medical furniture, consumer items and consumables of similar in nature to the specification provided in this document.

03. If necessary, HLL may inspect similar works done by the Manufacturer or the Manufacturer's authorized Agent and will collect the first hand information from the client. In case of any adverse remarks on performance of the Tenderers is received, contrary to the certificate produced by the tenderer, or if the installations are found to be of a quality not acceptable to HLL, the offer will be rejected without calling for any explanation from the tenderers.

04. The tenderer should have an average annual turnover of not less than Rs. 1.78 crores for Group A, 14 Lakhs for Group B and Rs 1 Lakh for Group C and Rs 7,500/- for Group D in the last three financial years ending 31st March 2013. The tenderer should not have incurred any loss in more than two years during the immediate last five consecutive financial years. The relevent pages of balance sheet showing annual turnover and profit and loss account duly certified by Chartered Accountant shall be enclosed– Proforma 'A'- I.

05. The tenderer should have a permanent service facility in Kerala /Tamilnadu/Karnataka.

06 The tenderer shall submit the complience for technical specifcations and requirement as given in Section V and VI.

06. The firms should be registered with Income tax ,Kerala VAT and Service Tax Authorities and copies of PAN , Service Tax Registration, Kerala VAT Registration have to be submitted along with application.

Annexure – Completion Certificate

SN	NAME OF THE ITEM	QTY	One completion certificate in Rs	Two completion certificate in Rs	Three completion certificate in Rs
	EQUIPMENT				
1	ABG Analyzer with ISE	2	112000	84000	56000
2	Alpha (ripple) motor with mattress	8	38400	28800	19200
3	Ambubag	12	28800	21600	14400
4	BIPAP Machine	4	960000	720000	480000
5	Defibrillator with monitor	6	1440000	1080000	720000
6	Diagnostic set	6	96000	72000	48000
7	ECG machine-12 channel	1	120000	90000	60000
8	Digital (Electronic) BP apparatus	16	64000	48000	32000
9	Examination lamp - mobile-5000lux	6	38400	28800	19200
10	Flexible fiberoptic bronchoscope	1	2000000	1500000	1000000
11	Fluid warmer	8	800000	600000	400000
12	Glucometer	14	16800	12600	8400
13	Heavy duty Electrical suction M/C	10	160000	120000	80000
14	ICU ventilator	16	15360000	11520000	7680000
15	Infusion pump	2	96000	72000	48000
16	Minor Operation theatre light	2	64000	48000	32000
17	Non Invasive Cardiac output Monitor	1	560000	420000	280000
18	Non Invasive Ventilator	3	960000	720000	480000
19	Patient monitor - 3 Parameter	11	3160000	2370000	1580000
20	Patient monitor - 5Parameter	2	640000	480000	320000
21	Patient monitor - 5Parameter wih central station	12	3840000	2880000	1920000
22	Patient monitor - 5Parameter with central station	18	5760000	4320000	2880000
23	Patient warmer	8	1280000	960000	640000

24	Pharmaceutical Refrigerator	1	240000	180000	120000
25	Pneumatic leg compression devie	6	1920000	1440000	960000
26	Portable (Tansport)patient monitor	2	640000	480000	320000
27	Portable Ultrasound Machine	1	2400000	1800000	1200000
28	Portable Ventilator	2	800000	600000	400000
29	Portable X ray-100 mA	1	800000	600000	400000
30	Pulse oximeter	2	80000	60000	40000
31	Sphygmomanometer	17	13600	10200	6800
32	Stethoscope	17	13600	10200	6800
33	Syringe pump	54	1728000	1296000	864000
34	Table top autoclave (sterilizer)	2	640000	480000	320000
35	Digital (Electronic) Thermometer	17	27200	20400	13600
36	Ultrasonic Nebulizer	17	81600	61200	40800
37	Video laryngoscope	1	480000	360000	240000
38	X ray viewing panel	3	24000	18000	12000
	FURNITURES				
1	Arm chair - swivel- Medium (staff chair)	30	120000	90000	60000
2	Bedside locker	35	140000	105000	70000
3	Change bench	2	8000	6000	4000
4	Change Locker -12 compartments	2	40000	30000	20000
5	Clean linen trolley	1	12000	9000	6000
6	Conference room table	1	24000	18000	12000
7	Crash Cart	5	160000	120000	80000
8	Cupboard with wardrobe	7	56000	42000	28000
9	Dirty linen hamper -Single	4	19200	14400	9600
10	Dressing trolley	7	112000	84000	56000
11	Emergency Trolley	3	120000	90000	60000
12	Floor cleaning trolley	1	16000	12000	8000
13	IV stand	43	83200	62400	41600
14	Junior Executive Chair	3	28800	21600	14400
15	Junior Executive table	1	5600	4200	2800
16	Medicine trolley	3	48000	36000	24000
17	Mobile Bedside Screen	6	28800	21600	14400
18	Multi seater chair –3 seater	15	300000	225000	150000
19	Office table	3	14400	10800	7200
20	Open Slotted angle storage shelves	15	360000	270000	180000
21	Overbed Table	41	229600	172200	114800
22	Patient Bed - 4section	32	1280000	960000	640000
23	Patient Bed -2section	9	216000	162000	108000

24	Patient Trolley	10	160000	120000	80000
25	Procedure bed	2	32000	24000	16000
26	Single cot with matress	4	28800	21600	14400
27	Visitors chair	7	28000	21000	14000
28	Waste bin-SS	21	25200	18900	12600
29	Water dispenser with cold & hot outlet	1	8000	6000	4000
30	Wheel Chair	6	38400	28800	19200
31	White Board	1	4000	3000	2000
GENERAL ITEMS					
1	Computer	4	120000	90000	60000
2	Clock	4	6400	4800	3200
3	Hand Dryer	6	80000	60000	40000
4	Induction Cooker	2	6400	4800	3200
5	Phone	4	1600	1200	800
6	Refrigerator-200 L	2	24000	18000	12000
7	Television	1	16000	12000	8000
8	Torch	16	6400	4800	3200
9	Vacuum cleaner	1	9600	7200	4800
CONSUMABLES					
1	Pressure infusion bag	10	20000	15000	10000

Note:

(1) All Manufacturers /supplier should have a standing of 5 years in the Indian Market for a similar product line. – Proforma 'A' I

(2) Any false submission of information or false interpretation of specification will automatically disqualify the tenderer

(3) The original Literature or the relevant part of the user/service manual should be attached as proof.

(4) The suppliers should give 2 years warranty.

(5) Demo of equipments and sample of instruments should be arranged when asked for

- Proforma for warranty submitted undertaking to give CMC for 05 years.

The supplier should give CMC for the quoted item for 5 years after 2 years warranty period. Cost of CMC will be considered for price comparison purpose.

Note

1. 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.

2. 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.

3. 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.

Additional conditions

1. Warranty

1.1 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.

1.2 The **warranty** shall remain valid

a. for 2 (two) Years exclusively for all items:

followed by a CMC for a period of **5 years** for all the equipments 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.CMC price should be quoted separately year wise after warranty.

b. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.

1.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier

1.4 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

1.5 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 of twenty four (24) months from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

1.6 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

1.7 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier after the completion of warranty period.

1.8 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.

1.9 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.

2.**Taxes and Duties**

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

3. 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.

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:

c) On delivery:

75 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

(vii) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;

(viii) Consignee Receipt Certificate as per in original issued by the authorized representative of the consignee;

(ix) Two copies of packing list identifying contents of each package;

(x) Inspection certificate issued by the nominated Inspection agency, if any.

(xi) Insurance Certificate as per and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;

(xii) Certificate of origin.

d) On Acceptance:

Balance 25 % payment would be made against 'Final Acceptance Certificate' 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.

Section – IX

TENDER FORM

Date_____

To

DVP(Tech), HLL Lifecare Limited, Infrastructure Development Division, 'Adarsh', TC 6/1718, Vettamukku, Thirumala P.O., Trivandrum – 605006.

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 for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

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 – IXB
TENDER FORM (for price bid)

Date_____

To

DVP (Technical), HLL Lifecare Limited, Infrastructure Development Division, 'Adarsh',TC 6/1718, Vettamukku, Thirumala P.O., Trivandrum – 605006.

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 for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

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 – X –i) PRICE SCHEDULE

EQUIPMENT(Group A)												
1		2	3	4	5							6
Schedule	Brief Description of Goods	Qty	unit	Country of Origin	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)	Packing and Forwarding charges (d)	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/ unloading and Incidental costs till consignee's site (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)
1	ABG Analyzer with ISE	2	Nos									
2	Alpha (ripple) motor with mattress	8	Nos									
3	Ambubag	12	Nos									

4	BIPAP Machine	4	Nos									
5	Defibrillator with monitor	6	Nos									
6	Diagnostic set	6	Nos									
7	ECG machine-12 channel	1	Nos									
8	Digital (Electronic) BP apparatus	16	Nos									
9	Examination lamp - mobile- 5000lux	6	Nos									
10	Flexible fiberoptic bronchoscope	1	Nos									
11	Fluid warmer	8	Nos									

12	Glucometer	14	Nos									
13	Heavy duty Electrical suction M/C	10	Nos									
14	ICU ventilator	16	Nos									
15	Infusion pump	2	Nos									
16	Minor Operation theatre light	2	Nos									
17	Non Invasive Cardiac output Monitor	1	Nos									

18	Non Invasive Ventilator	3	Nos									
19	Patient monitor - 3 Parameter	11	Nos									
20	Patient monitor - 5Parameter	2	Nos									
21	Patient monitor - 5Parameter wih central station	12	Nos									
22	Patient monitor - 5Parameter with central station	18	Nos									
23	Patient warmer	8	Nos									
24	Pharmaceutical	1	Nos									

	Refrigerator											
25	Pneumatic leg compression devie	6	Nos									
26	Portable (Tansport)patient monitor	2	Nos									
27	Portable Ultrasound Machine	1	Nos									
28	Portable Ventilator	2	Nos									
29	Portable X ray-100 mA	1	Nos									
30	Pulse oximeter	2	Nos									
31	Sphygmomanometer	17	Nos									
32	Stethoscope	17	Nos									

33	Syringe pump	54	Nos									
34	Table top autoclave (sterilizer)	2	Nos									
35	Digital (Electronic) Thermometer	17	Nos									
36	Ultrasonic Nebulizer	17	Nos									
37	Video laryngoscope	1	Nos									
38	X ray viewing panel	3	Nos									
FURNITURES(Group B)												

1	Arm chair - swivel-Medium (staff chair)	30	Nos									
2	Bedside locker	35	Nos									
3	Change bench	2	Nos									
4	Change Locker -12 compartments	2	Nos									
5	Clean linen trolley	1	Nos									
6	Conference room table	1	Nos									

7	Crash Cart	5	Nos									
8	Cupboard with wardrobe	7	Nos									
9	Dirty linen hamper -Single	4	Nos									
10	Dressing trolley	7	Nos									
11	Emergency Trolley	3	Nos									
12	Floor cleaning trolley	1	Nos									

13	IV stand	43	Nos									
14	Junior Executive Chair	3	Nos									
15	Junior Executive table	1	Nos									
16	Medicine trolley	3	Nos									
17	Mobile Bedside Screen	6	Nos									
18	Multi seater chair – 3 seater	15	Nos									

19	Office table	3	Nos									
20	Open Slotted angle storage shelves	15	Nos									
21	Overbed Table	41	Nos									
22	Patient Bed - 4section	32	Nos									
23	Patient Bed - 2section	9	Nos									
24	Patient Trolley	10	Nos									

25	Procedure bed	2	Nos									
26	Single cot with matress	4	Nos									
27	Visitors chair	7	Nos									
28	Waste bin-SS	21	Nos									
29	Water dispenser with cold & hot outlet	1	Nos									
30	Wheel Chair	6	Nos									

31	White Board	1	Nos									
GENERAL ITEMS(Group C)												
1	Computer	4	Nos									
2	Clock	4	Nos									
3	Hand Dryer	6	Nos									
4	Induction Cooker	2	Nos									
5	Phone	4	Nos									
6	Refrigerator-200 L	2	Nos									
7	Television	1	Nos									

8	Torch	16	Nos									
9	Vacuum cleaner	1	Nos									
	CONSUMABLES PART D											
1	Pressure infusion bag	10	Nos									

Total tender price in rupees

Part A ----------

Part B ----------

Part C ----------

Part D ----------

Total amount 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 CMC after warranty shall be quoted separately as per section ii)-Price Schedule below

Name ----------

Business Address ----------

Place----------

Signature of Tenderer----------

Date ----------

Seal of the Tenderer ----------

ii) PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

1	2	3	4					5
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	CMC Cost for Each Unit year wise*.					Total CMC Contract Cost for 5 Years
			1st	2nd	3rd	4th	5th	
			a	b	c	d	e	
1								
2								
3								

NOTE:-In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.

1. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 6 years on yearly basis for complete equipment and Turnkey (if any).
2. **The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening.**
3. Cost of CMC will be added for Ranking/Evaluation purpose.
4. The payment of CMC will be made as per tender conditions
5. 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.
6. All software updates should be provided free of cost during CMC period.
7. The stipulations in Technical Specification will supersede above provisions

8 The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name_____
Business Address_____
Place: _____ **Signature of Tenderer**_____
Date: _____ **Seal of the Tenderer**_____

SECTION – XI
CHECKLIST
Name of Tenderer:
Name of Manufacturer:

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Section XIII?			
c.	In case Bank Guarantee is furnished, have you kept its validity of 165 days from Techno Commercial Tender Opening date as per clause 19 of GIT?			
2. a.	Have you enclosed duly filled Tender Form as per format in Section IX?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
4.	Have you submitted manufacturer's authorization as per Section XIV?			
5.	Have you submitted prices of goods, CMC etc. in the Price Schedule as per Section X?			
6.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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?			
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?			
8.	Have you intimated the name an full address of your Banker (s) along with your Account Number			
9.	Have you fully accepted payment terms as per TE document?			
10.	Have you fully accepted delivery period as per TE document?			
11.	Have you submitted the certificate of incorporation?			
12.	Have you accepted the warranty as per TE document?			
13.	Have you accepted terms and conditions of TE document?			
14.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

Date:

Name

Signature

Stamp and full address

SECTION – XII
SECTION – XIII

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
Head of Dept/Institute/ Medical College

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 be valid up to 60 days beyond 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 – XIV
MANUFACTURER'S AUTHORISATION FORM

To

Deputy Vice President (Tech), ID Division, Adarsh, TC 6/1718, Vettamukku, Thirumala P.O., Trivandrum - 695006

Dear Sirs,

Ref. Your TE document No _____, dated _____

We, _____ who are proven and reputable manufacturers of_____(*name and description of the goods offered in the tender*) having factories at_____, hereby authorise Messrs_____(*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[*Signature with date, name and designation*]
for and on behalf of Messrs_____

[*Name & address of the manufacturers*]

Note : 1. This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

1. Original letter may be sent.

Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

2. 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

3. Warranty clause
4. Payment terms
5. 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: _____

SECTION – XV
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:

Schedule No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

(ii) Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

6. 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

7. Warranty clause
8. Payment terms
9. 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: _____

SECTION – XVI
CONTRACT FORM – B
CONTRACT FORM FOR CMC

Annual CM Contract No._____

Between

(Address of the head of the Consignee)

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 The Contract of Annual Comprehensive Maintenance is hereby concluded as under: - (a)

1	2	3	4					5
Schedule No.	**BRIEF DESCRIPTION OF GOODS**	**QUANTITY. (Nos.)**	**CMC Cost for Each Unit year wise*.**					**Total CMC Contract Cost for 5 Years**
			1st	**2nd**	**3rd**	**4th**	**5th**	
			a	**b**	**c**	**d**	**e**	
1								
2								
3								

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 CMC which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 7 years as contained in the above referred contract on yearly basis for complete equipment (including Batteries for UPS).

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.

SECTION – XVII

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The following store (s) has/have been received in good condition:

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

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

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

9) Seal of the Consignee :_____

SECTION – XVIII

Proforma of Final Acceptance Certificate by the Consignee

No_____
Date_____

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity:_____

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

(f) Name of the vessel/Transporter:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

Bidder must submit atleast 2 nos of latest purchase order of the quoted model dated within 2 years along with the price bid.Authenticity of the submitted docments will be checked by HLL.

Section – XIX
Consignee List

Consignee Code	Contact Address.	AirPort	Sea Port
EMERGENCY AND CRITICAL CARE DEPARTMENT	Medical College	**ERNAKULAM**	**ERNAKULAM**