

GLOBAL TENDER ENQUIRY DOCUMENT

**FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR INSTITUTIONS GETTING UPGRADED
UNDER PMSSY PHASE II**

On behalf of

GOVT. MEDICAL COLLEGE & HOSPITAL, NAGPUR

HLL/PCD/PMSSY-II/Nagpur/01/13-14



BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

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SECTION I

NOTICE INVITING TENDERS (NIT)
For Global Tender from
HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)
 Procurement & Consultancy Services Division
 B-14 A, Sector-62, Noida-201 307
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FOR
 GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY-II/Nagpur/01/13-14

Dated 29.12.2013

NOTICE INVITING TENDERS (NIT)

1. Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Government Medical College & Hospital, Nagpur which is getting upgraded under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase II, invites sealed tenders from eligible and qualified tenderers for supply of following Medical Equipment:

Sl. No.	Description	Department	Qty.	EMD (Rs.)
1	Defibrillator Biphasic	Medicine	4	32,000
2	Defibrillator Biphasic with ECG Monitor	Anesthesia	4	32,000
3	Defibrillator with Monitor	Obst. & Gynaecology	1	8,000
4	Deibrillator Biphasic with internal paddles	Anesthesia (SSH)	2	40,000
5	ECG machine with 12 leads	Medicine	4	4,000
6	Fibreoptic Laryngoscope	Anesthesia	1	20,000
7	Flexible Nasopharyngo Laryngoscope	ENT	1	10,000
8	Blood Gas Analyzer with electrolytes	Biochemistry (SSH)	1	20,000
9	ICCU Beds Motorized	Obst. & Gynecology	5	30,000
10	Neonatal Ventilator	Paediatrics	2	40,000
11	Power Instrument drill and saw etc.	Orthopaedics	1	20,000
12	Pulse Oximeter	Medicine	16	16,000
		Paediatrics	10	10,000
13	Resuscitation Trolley with accessories	Paediatrics	4	8,000
14	Rotary Microtome Motorised Fully Automatic	Pathology	1	8,000
15	Ultrasonic Knife	Obst. & Gynaecology	1	50,000
16	Video Bronchoscope	Anesthesia (SSH)	1	24,000
17	Video Laryngoscope	ENT	1	10,000
18	Online Arterial Blood Gas System	CVTS	1	16,000

(2) **Tender No.: HLL/PCD/PMSSY-II/Nagpur/01/13-14**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	30.12.2013 to 29.01.2014, 1000 hrs to 1600 hrs IST
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
iii.	Cost of the Tender Enquiry Document	Rs. 3,000/-
iv.	Pre Tender Meeting Date & Time	06.01.2014, 1100 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	30.01.2014, 1400 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	30.01.2014, 1430 hrs IST
viii.	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs. 3,000/- per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of "**HLL Lifecare Limited**" payable at New Delhi.
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100/- for domestic post and Rs 500/- for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
5. Tenderer may also download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above.
7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
9. The Tender Enquiry Documents are not transferable.

Head (P&CD)

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

1.3 Abbreviations:

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

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

2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – “List of Requirements”, which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - “General Instruction 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 – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B

- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

- 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 X (without indicating any prices).
- 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. **While giving authorization to agent , to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**
- 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) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- ix) Certificate of Incorporation in the country of origin.
- x) Checklist as per Section XX.

B) Price Tender:

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

Note:

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. Individuals signing the tender or other documents connected with a contract must specify whether he signs as:
- i. A 'Sole Proprietor' of the firm or constituted attorney of such Sole Proprietor.
 - ii. A partner of the firm ,if it be a partnership , in which case he must have authority to quote & to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney;
 - iii. Constituted attorney of the firm if it is a company.

Note:

1. In case of (ii) above, a copy of the partnership agreement or general power of attorney, in either ,case, attested by a Notary Public should be furnished, or affidavit on stamped paper of all the partners admitting execution of the partnership agreement or the general power of attorney should be furnished.
2. In case of the partnership firms, where no authority to refer disputes concerning the business of the partnership has been conferred on any partner, the tender and all other related documents must be signed by every partner of the firm.
3. A person signing the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages

- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

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

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

13 Tender Prices

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

13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

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

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 prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
- b) The amount of freight and insurance
- c) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;
- d) Deleted
- e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
- f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;

- g) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- h) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

- a) If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.
- b) If a Tenderer chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.
- c) Subject to sub clauses 13.5.2 (a) & (b) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.

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 Purchaser will pay the Customs duty wherever applicable.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

- 14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:
- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
 - b) The details of the services to be rendered by the agent for the subject requirement.
 - c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
 - d) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).
 - e) Principal/ manufacturer's original proforma invoice with the price bid

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.
- 16.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

17 Documents Establishing Tenderer's Eligibility and Qualifications

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
 - b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
 - c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.

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 misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
 - ii) Banker's cheque and

iii) Bank Guarantee

- 19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HLL Lifecare Limited" payable at New Delhi. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.
- 19.5 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.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 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 and the same should be submitted along with the bid.

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, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.
- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate". Duplicate tenders may contain all pages including Technical Literature/Catalogues as per in Original tenders. Tenders are requested to submit tenders duly page numbered and in a binding form. **Tenders submitted in loose sheets will not be accepted.**
- 21.3 The original and duplicate copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind

- the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 21.5 The tenderer is to seal the original and duplicate copy of the tender in separate envelopes, duly marking the same as “Original”, “Duplicate”, and writing the address of the purchaser and the tender reference number on the envelopes. The sentence “NOT TO BE OPENED” before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **‘Techno - Commercial Tender’**, and the second part **‘Price Tender’** as specified in clause 11 of GIT. Tenderer shall seal **‘Techno - Commercial Tender’** and **‘Price Tender’** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

- 22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. In case of bulky tender, which cannot be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.
- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

27. Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 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 Deleted
- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be rejected.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;
- (i) Deleted

- (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 XIV.
- (vi) Tenderer has not agreed to give the required 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.
- (vii) Deleted
- (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.
- (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
- (xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmary/Irregularity/Non-Conformity

- 28.1 If during the evaluation, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, , the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post/courier/e-mail/fax 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. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Discrepancy between original and copies of Tender

- 30.1 In case any discrepancy is observed between the text etc. of the original copy and that in the other copies of the same tender set, the text etc. of the original copy shall prevail. Here also, the purchaser will convey its observation suitably to the tenderer by register / speed post and, if the tenderer does not accept the purchaser's observation, that tender will be liable to be ignored.

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 13.2, the tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts wherever applicable will be taken into account to determine the lowest evaluated cost for the purchaser in deciding the successful tenderer for each schedule, subject to tenderer(s) being responsive.

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation. **“Net Present value (NPV) of the Comprehensive Annual Maintenance charges (CMC) quoted for 5 years after the warranty period shall be added to the bid price for evaluation and will be calculated after discounting the quoted price by a discounting factor of 10% per annum.”**

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

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

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

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

35.3 The Purchaser reserves the right to give the price preference to small-scale sectors etc. and purchase preference to central public sector undertakings as per the instruction in vogue while evaluating, comparing and ranking the responsive tenders.

- i. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries / Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.

- ii. In accordance with the above said notification, the participating Micro and Small

Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L 1 price, in a situation where L 1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

- iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.

36. Tenderer's capability to perform the contract

- 36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
- 36.2 The above-mentioned determination will, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

- 37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

G. AWARD OF CONTRACT

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

- 38.1 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.

39. Award Criteria

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

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

- 40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the “List of Requirements” (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.
- 40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract (rounded of 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.

41. Notification of Award

- 41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within 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.
- 41.2 The Notification of Award shall constitute the conclusion of the Contract.

42. Issue of Contract

- 42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.
- 42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.
- 42.3 The Purchaser/Consignee reserve the right to issue the Notification of Award consignee wise.

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

- 43.1 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.

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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B	8 to 10	TE documents	No Change	25
C	11 to 21	Preparation of Tenders	No Change	25
D	22 to 24	Submission of Tenders	No Change	25
E	25	Tender Opening	No Change	25
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	25
G	38 to 45	Award of Contract	No Change	25

**SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)**

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

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

- A Preamble**
No Change
- B TE documents**
No Change
- C Preparation of Tenders**
No Change
- D Submission of Tenders**
No Change
- E Tender Opening**
No Change
- F Scrutiny and Evaluation of Tenders**
No Change
- G Award of Contract**
No Change

SECTION - IV**GENERAL CONDITIONS OF CONTRACT (GCC)
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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 fifteen (15) 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, initially valid for a period of minimum 30 months from the date of Notification of Award
- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

It shall be in any one of the forms namely Account Payee Demand Draft or 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 government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) 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 Annual Comprehensive Maintenance Contract as per the 'Contract Form – B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

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

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."
- 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.
- "On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the

same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.

- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

- 9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery and as per the delivery period specified in the schedule of requirement. Please note that the time shall be the essence of the contract.

10. Transportation of Goods

- 10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

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

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 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 for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis . The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.
- ii) in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will have to be 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 actuals 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 consumables and spares for the goods so that the same are used during warranty and CMC period.

13. Incidental services

- 13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.
- i) Installation & commissioning, Supervision and Demonstration of the goods
 - ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
 - iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
 - iv) Supplying required number of operation & maintenance manual for the goods

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

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

B) For goods imported from abroad

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract). Any delay or demurrage occurred during the customs clearance on account of the non-availability of technical support/ clarifications /documents from the supplier shall be borne by the supplier:

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

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials, manufacturing 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 The **warranty** shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.

- a. No conditional warranty will be acceptable.
- b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following wherever applicable:-
 - Any kind of motor.

- Plastic & Glass Parts against any manufacturing defects.
 - All kind of sensors.
 - All kind of coils, probes and transducers.
 - Printers and imagers including laser and thermal printers with all parts.
 - UPS including the replacement of batteries.
 - Air-conditioners
- c. Replacement and repair will be under taken for the defective goods.
- d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, 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 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.
- 16. Assignment**
- 16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.
- 17. Sub Contracts**
- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of contract

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
 - b) Mode of packing,
 - c) Incidental services to be provided by the supplier
 - d) Mode of despatch,
 - e) Place of delivery, and
 - f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.
- 18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

19. Prices

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

20. Taxes and Duties

- 20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.
- 20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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 Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.

- (v) Insurance Certificate as per GCC Clause 11 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' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. FAC need to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

B) Payment for Imported Goods:

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

a) On Shipment:

Seventy Five (75)% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

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

b) On Acceptance:

Balance payment of 25% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. FAC need to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

c) Payment of Indigenous Goods :

Payment of indigenous goods will be paid as per the applicable payment terms i.e. 75% on delivery and 25% on acceptance. Delivery of the indigenous goods should be in line with the imported equipment.

d) Payment of Incidental Costs till consignee site & Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) will be paid in Indian Rupees to the Indian Agent on proof of final installation, commission and acceptance of equipment by the consignee.

e) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

Turnkey payment will be made as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation.

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

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

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

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

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

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

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.

(b) Delay in supplies, if any, has been regularized.

- (c) The contract price where it is subject to variation has been finalized.
- (d) The supplier furnishes the following undertakings:

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

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
 - (ii) forfeiture of its performance security and
 - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
 - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
 - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would

be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

22.6 Passing of Property:

- 22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.
- 22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.
- 22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

- 23.1 Subject to GCC clause 26, if the supplier fails to deliver or install /commission 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, installation, commissioning 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, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.
- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

27. Termination for convenience

- 27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 27.2 The goods and services 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 parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India .

30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

Whenever any claim for payment arises under the contract against the supplier the purchaser shall be entitled to withhold and also have a lien to retain such sum from the security deposit or sum of money arising out of under any other contract made by the supplier with the purchaser, pending finalization or adjudication of any such claim.

It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above ,by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the case may be ,and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

33. General/ Miscellaneous Clauses

33.1 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.

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

33.3 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.

33.4 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.

- 33.5 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.
- 33.6 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.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

The warranty conditions will be as mentioned in the list of requirement as per section VI of the tender enquiry.

SECTION - VI
LIST OF REQUIREMENTS

Part I**List of items with quantities, warranty & CMC period.**

Sl. No.	Description	Department	Qty.	Warranty Period	CMC Period
1	Defibrillator Biphasic	Medicine	4	2 Years	5 Years
2	Defibrillator Biphasic with ECG Monitor	Anesthesia	4	2 Years	5 Years
3	Defibrillator with Monitor	Obst. & Gynaecology	1	2 Years	5 Years
4	Deibrillator Biphasic with internal paddles	Anesthesia (SSH)	2	2 Years	5 Years
5	ECG machine with 12 leads	Medicine	4	2 Years	5 Years
6	Fibreoptic Laryngoscope	Anesthesia	1	2 Years	5 Years
7	Flexible Nasopharyngo Laryngoscope	ENT	1	2 Years	5 Years
8	Blood Gas Analyzer with electrolytes	Biochemistry (SSH)	1	2 Years	5 Years
9	ICCU Beds Motorized	Obst. & Gynecology	5	2 Years	5 Years
10	Neonatal Ventilator	Paediatrics	2	2 Years	5 Years
11	Power Instrument drill and saw etc.	Orthopaedics	1	2 Years	5 Years
12	Pulse Oximeter	Medicine	16	2 Years	5 Years
		Paediatrics	10	2 Years	5 Years
13	Resuscitation Trolley with accessories	Paediatrics	4	2 Years	5 Years
14	Rotary Microtome Motorised Fully Automatic	Pathology	1	2 Years	5 Years
15	Ultrasonic Knife	Obst. & Gynaecology	1	2 Years	5 Years
16	Video Bronchoscope	Anesthesia (SSH)	1	2 Years	5 Years
17	Video Laryngoscope	ENT	1	2 Years	5 Years
18	Online Arterial Blood Gas System	CVTS	1	2 Years	5 Years

Part II: Required Delivery Schedule:**a) For Indigenous goods or for imported goods if supplied from India:**

75 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period.

Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period).

Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.

For delayed delivery and/ or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

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

Part IV:

Turnkey (if any) as per details in Technical Specification.

Part V:

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will be 24 months from the date of installation, commissioning and acceptance or 30 months from the date of last shipment/dispatch, whichever is earlier.

Comprehensive Maintenance Contract (CMC) as per details in Technical Specification as specified in part I above

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving breakup of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on CIP Named Port of Destination basis.

The shipping arrangements shall be made in accordance with the instruction of Ministry of Shipping & Transport, New Delhi, India as detailed in Annexure 1 at Section XIX.

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

Destination/Consignee details are given in Section XXI

Section – VII

Technical Specifications

Item No: 1

DEFIBRILLATOR BIPHASIC

Description of Function

1.1 Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

2. Operational Requirements

2.1 Defibrillator should be Bi-Phasic, **Portable** and latest model

2.2 Should monitor vital parameters (**ECG, Heart Rate, SPO2, NIBP**) and display them

2.3 Should print the ECG on thermal recorders.

2.4 Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more. The maximum energy delivered by the device should be at least 200J or more. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.

2.5 Should be capable of doing synchronized & asynchronous cardioversion

2.6 Can be operated from mains as well as battery

2.7 Should have defibrillator self-test facility.

2.8 Demonstration of the equipment quoted is a must

3. Technical Specifications

3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia. Up to – 200-360 joules

3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads. Charging time should be 0.5 sec for maximum energy

3.3 Should have factory integrated compensation for chest impedance for a range of 25 to 150 ohms

3.4 Should have a built in printer/thermal recorder

3.5 Should have charging time of less than **10** seconds for maximum energy. Charging indicator should be there

3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds

3.7 Should have external paddles with paddles contact indicator- for good paddle contact. Single adult and paediatric paddles should be available.

3.8 Should have event summary facility for recording and printing at least **250** events and 50 waveforms

3.9 Should have a battery capable of usage for at least 90 minutes of 20 discharges.

3.10 Should be capable of printing reports on event summary, configuration, self-test, battery capacity etc.

3.11 Should have facility for self-test/check before usage and set up function

3.12 Should have inbuilt facility to monitor ECG, SPO2 and NIBP.

3.13. Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments of 5-20 joules up to 50J.

3.14 Should have user friendly 1, 2, 3 colour-coded operations

3.15 External Pacing Capability external pacemaker capability 01

4 System Configuration Accessories, spares and consumables

- 4.1 Defibrillator -01
- 4.2 Paddles Adult/Paediatric (pair)-01
- 4.3 Complete set of ECG Leads along with mother cable-05
- 4.5 ECG Rolls- 50
- 4.6 NIBP Cuff Adult- 05 No.
NIBP Cuff Paediatric- 05 No
NIBP Cuff Infant – 05 No
- 4.7 Reusable SPO2 Soft finger probe- Adult -05
Reusable SPO2 Soft Pediatric finger probe- 05

5 Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10-40°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-90%

6 Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz
- 6.2 Reset table over current breaker shall be fitted for protection
- 6.3 Should have a battery capable of usage for at least 90 minutes

7 Standards, Safety and Training

- 7.1 Should be US-FDA and CE approved product
- 7.2 Shall meet IEC – 60601-1-2.2001 (Or Equivalent BIS)
General Requirements of Safety for Electromagnetic compatibility

Item No: 2

DEFIBRILLATOR WITH ECG MONITOR

1. Description of Function

- 1.1 Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

2. Operational Requirements

- 2.1 Defibrillator should be Bi-Phasic, **Portable** and latest model
- 2.2 Should monitor vital parameters (**ECG, Heart Rate, SPO2, NIBP**) and display them
- 2.3 Should print the ECG on thermal recorders.
- 2.4 **Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more (optional).** The maximum energy delivered by the device should be at least 200J or more (optional). In **AED** mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.
- 2.5 Should be capable of doing synchronized & asynchronized cardioversion
- 2.6 Can be operated from mains as well as battery
- 2.7 Should have defibrillator self-test facility.
- 2.8 Demonstration of the equipment quoted is a must

3. Technical Specifications

- 3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia.

- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads.
- 3.3 Should have factory integrated compensation for chest impedance for a range of 25 to 150 ohms
- 3.4 **Should have a built in printer/thermal recorder**
- 3.5 Should have charging time of less than **10** seconds for maximum energy. Charging indicator should be there
- 3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds
- 3.7 **Should have external paddles with paddles contact indicator- for good paddle contact. Single adult and paediatric paddles should be available.**
- 3.8 Should have event summary facility for recording and printing at least 50 events and 50 waveforms
- 3.9 Should have a battery capable of usage for at least 90 minutes of 20 discharges.
- 3.10 Should be capable of printing reports on event summary, configuration, self-test, battery capacity etc.
- 3.11 Should have facility for self-test/check before usage and set up function
- 3.12 Should have inbuilt facility to monitor ECG, SPO2 and NIBP.
- 3.13. Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments of 5-20 joules up to 50J.
- 3.14 Should have user friendly 1, 2, 3 colour-coded operations
- 3.15 External Pacing Capability

4 System Configuration Accessories, spares and consumables

- 4.1 Defibrillator -01
- 4.2 Paddles Adult/Pediatric (pair) individual each one pair or sliding type (Adult & Pediatric), single set
- 4.3 Complete set of ECG Leads along with mother cable-05
- 4.4 ECG Rolls- 50
- 4.5 NIBP Cuff Adult- 05 No.
- 4.6 NIBP Cuff Pediatric- 05 No
- 4.7 Reusable SPO2 Soft finger probe- Adult -05
Reusable SPO2 Soft Pediatric finger probe- 05
- 4.8 S.S. Trolley with two drawer H-30”x W-15”x B-15” wheels & two brake to wheels

5 Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10-40°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-90%

6 Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz

7 Standards, Safety and Training

- 7.1 Should be US-FDA and CE approved product

8 Documentation

- 8.1 User Manual in English
- 8.2 Service manual in English
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Certificate of calibration and inspection from factory.

- 8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
- 8.6 List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/ technical manual.
- 8.7 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.

Item No: 3

DEFIBRILLATOR WITH MONITOR

1. Description of Function

- 1.1 Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

2. Operational Requirements

- 2.1 Defibrillator should be Bi-Phasic, **Portable** and latest model
- 2.2 Should monitor vital parameters (**ECG, Heart Rate, SPO2, NIBP**) and display them
- 2.3 Should print the ECG on thermal recorders.
- 2.4 Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more. The maximum energy delivered by the device should be at least 200J or more. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.
- 2.5 Should be capable of doing synchronized & asynchronized cardioversion
- 2.6 Can be operated from mains as well as battery.
- 2.7 Should have defibrillator self-test facility.

3 Technical Specifications

- 3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia.
- 3.2 Should monitor **ECG** through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads.
- 3.3 Should have factory integrated compensation for chest impedance for a range of 25 to 150 ohms.
- 3.4 Should have a built in printer/thermal recorder
- 3.5 Should have charging time of less than 5 seconds for maximum energy.
- 3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds.
- 3.7 Should have external paddles with paddles contact indicator- for good paddle contact. Single adult and paediatric paddles should be available.
- 3.8 Should have event summary facility for recording and printing at least **50** events and 50 waveforms.
- 3.9 Should have a battery capable of usage for at least 90 minutes of 40 discharges.
- 3.10 Should be capable of printing reports on event summary. Configuration. Self-test. Battery capacity etc.
- 3.11 Should have facility for self-test/check before usage and set up function
- 3.12 Should have inbuilt facility to monitor ECG, SPO2 and NIBP.
- 3.13. Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments of 5-20 joules upto 50J.
- 3.14 Should have user friendly 1, 2, 3 colour-coded operations
- 3.15 External Pacing Capability

4 System Configuration Accessories, spares and consumables

- 4.1 Defibrillator -01
- 4.2 Paddles Adult/Paediatric (pair) -01
- 4.3 Complete set of ECG Leads alongwith mother cable-05
- 4.4 ECG Rolls- 50
- 4.5 NIBP Cuff Adult- 05 No.
NIBP Cuff Paediatric- 05 No.
NIBP Cuff Infant- 05 No.
- 4.6 Reusable SPO2 Soft finger probe- Adult -05
Reusable SPO2 Soft Paed finger probe- 05
- 4.7 External pacemakes - 01

5 Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10-40°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-90%
- 5.3 Shall meet IEC – 60601 – 1-2: 2001 (or equivalent BIS)
General requirement of safety for Electromagnetic compatibility

6 Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz
- 6.2 Reset table over current breaker shall be fitted for protection.
- 6.3 Should have battery capable of usage foe at least 90 minutes.

7 Standards, Safety and Training

- 7.1 Should be US-FDA and CE approved product.
- 7.2 Electrical safety conforms to standards for electrical safety IEC – 60601 -1
General requirements and IEC – 60601 – 2-25 Safety of Electrocardiograms (OR EQUIVALENT BIS STANDARD)
- 7.3 Drop test-with stands 1 meter drop to any edge, corner or surface.
- 7.4 Should conform to international test protocols on exposure to shock forces and to n Vibration forces. The standard should be documented.
- 7.5 Should meet IEC 529 level-2 (IP2X) for enclosure protection soli foreign object ingress.
- 7.6 Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress.

8 Documentation

- 8.1 User Manual in English.
- 8.2 Service manual in English
- 8.3 List of important spare and accessories with their part number and costing.
- 8.4 Certificate of calibration and inspection from factory.
- 8.5 Log book with instruction hospital technician and company service engineer should be clearly spelt out.
- 8.6 List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/ technical manual.
- 8.7 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.

Item No: 4

Defibrillator Biphasic with internal paddles

1. Description of Function

- 1.1 Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

2. Operational Requirements

- 2.1 Defibrillator should be Bi-Phasic, **Portable** and latest model
- 2.2 Should monitor vital parameters (**ECG, Heart Rate, SPO2, NIBP**) and display them
- 2.3 Should print the ECG on thermal recorders.
- 2.4 Should work on Manual and Automated external defibrillation (AED) in Bi-phasic mode at least 200J or more (optional). The maximum energy delivered by the device should be at least 200J or more. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation as mentioned below.
- 2.5 Should be capable of doing synchronized & asynchronous cardioversion
- 2.6 Can be operated from mains as well as battery
- 2.7 Should have defibrillator self-test facility.
- 2.8 Demonstration of the equipment quoted is a must

3. Technical Specifications

- 3.1 Should be a low energy biphasic defibrillator monitor with recorder, having capability to arrest all arrhythmia.
- 3.2 Should monitor ECG through external paddles and monitoring electrodes and defibrillate through external paddles. Should have automatic lead switching to see patient ECG through paddles or leads.
- 3.3 Should have factory integrated compensation for chest impedance for a range of 25 to 150 ohms
- 3.4 Should have a built in printer/thermal recorder
- 3.5 Should have charging time of less than **10** seconds for maximum energy. Charging indicator should be there
- 3.6 Should have bright TFT colour display for viewing messages and ECG waveform of 4 seconds
- 3.7 Should have external paddles with paddles contact indicator- for good paddle contact. Single adult and paediatric paddles should be available.
- 3.8 Should have event summary facility for recording and printing at least **50** events and 50 waveforms
- 3.9 Should have a battery capable of usage for at least 90 minutes of 20 discharges.
- 3.10 Should be capable of printing reports on event summary, configuration, self-test, battery capacity etc.
- 3.11 should have facility for self-test/check before usage and set up function
- 3.12 Should have inbuilt facility to monitor ECG, SPO2 and NIBP.
- 3.13. Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments of 5-20 joules up to 50J.
- 3.14 Should have user friendly 1, 2, 3 colour-coded operations
- 3.15 External Pacing Capability

4 System Configuration Accessories, spares and consumables

- 4.1 Defibrillator -01
- 4.2 Paddles Adult and pediatric – 2 set
- 4.3 Complete set of ECG leads with mother cables – 2 set

- 4.4 NIBP cuff Adult – 2
- 4.5 NIBP cuff Pediatric – 2
- 4.6 NIBP cuff Neonatal - 1
- 4.7 Reusable SPO2 soft finger probe – Adult – 2
- 4.8 Reusable SPO2 soft finger probe – Pediatric – 2
- 4.9 Internal paddle – Adult – 2
- 4.10 Internal paddle – Pediatric – 2
- 4.11 Disposable multifunction pad of AED and External pacing – 100
- 4.12 Cost of disposables, accessories and consumables should be fixed for next five years.

5 Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10-40°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-90%

6 Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz

7 Standards, Safety and Training

- 7.1 Should be US-FDA and CE approved product

8 Documentation

- 8.1 User Manual in English
- 8.2 Service manual in English
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Certificate of calibration and inspection from factory.
- 8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
- 8.6 List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/ technical manual.
- 8.7 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.

Item No: 5

ECG MACHINE WITH 12 LEADS

Specifications for ECG Machine – 3 Channel:

- 1 Simultaneous 3 Channel ECG recording with 12 lead simultaneous acquisition
- 2 Should have visual alarm for open lead
- 3 Should have a digital display of 3 channel ECG
- 4 ECG Machine should have 3 modes of operation-Automatic, Manual & Rhythm (Not Arrhythmia)
- 5 Should have a maintenance free digital thermal array printer
- 6 Printer should work with standard thermal paper (should be available in Local Market)
- 7 Printer should be able to print ECG report and should have on / off selection
- 8 Should be compact and portable, and should have carry handle for portability.
- 9 Should have ECG lead annotation facility
- 10 Equipment should have sufficient battery backup for taking minimum 100 ECG without AC power

- 11 Should supplied with 2 patient cable sets, 8 clip on electrodes, 12 chest electrode with silicone rubber bulb, 12 packets / Rolls of recording paper & 1 bottle of jelly
- 12 Should operate on mains (220v-50Hz) and rechargeable battery (built in)
- 13 Recording speed should be 25 mm / sec and 50 mm / sec.
- 14 Should have defibrillation protection.
- 15 CMRR should be >90dB or the Sampling rate should be > 7000
- 16 Frequency response 0.05 Hz to 129 Hz.
- 17 Should have a digital filter for AC and EMG.
- 18 Should have safety certificate from a competent authority CE / FDA(US) STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

Item No: 6

FIBEROPTIC LARYNGOSCOPE

The equipment is to be used for passing endotracheal tube via nasal / oral route where by conventional laryngoscopy method the trachea of patient is not possible to intubate.

Sl. No.	Description of Equipment / instrument- Fibreoptic Laryngoscope (flexible)	Quantity
1	Intubation Fibrescope – 3.7mm x 65cm With suction valve, working channel – 1.5 mm, Direction of view – 0 degree, Angle of view – 90 degree Working length – 65 cm, Outer diameter of fiberscope – 3.7 mm Angulation of distal end – 140 degree / 140degree	1
2	Accessories with intubation fiberscope	
	a) Cleaning brush set	1 set
	b) Pressure compensation cap	1
	c) Leakage tester	1
	d) LIPP tube adaptor	1
	e) Irrigation adaptor	1
	f) Suction valve	1
3	Compatible tele-camera to be attached to proximal end of intubation fibrescope	1
4	Compatible Fibreoptic light cable to be connected to telecamera / intubation fiberscope proximal end & to light source equipment	1
5	Light source equipment (24 w high Lux light source) with integrated key board Power supply – 110-240 VAC, (50-60 Hz) Xenon light source equipment with twin bulb facility Two bulb fitted with light source machine, one xenon bulb 150 w extra to be supplied = Total three bulb to be supplied	1
6	Image processing module with recording facility With PCMCIA – memory card – 64 MB, Power supply- 110-240 VAC, (50-60 Hz), Main cord- 1, Connecting cable-1 (length approx. – 180 cm), VHS Y/C connecting cable- 180cm- 1 Adaptor to connect the tele pack to the Video-bronchoscope	1
7	Compatible Medical grade RGB Video Monitor- 15” LED monitor	1
8	Sturdy metal Multipurpose instrument trolley with appropriate compartments & electrical socket board to install the system	1

9	Storage case for flexible fibrescope	1
10	Voltage stabilizer- 0.5 KV	1
11	Any other accessories if required, to quote by supplier / tender participant if must to function the equipment	-

Item No: 7

FLEXIBLE NASOPHARYNGO LARYNGOSCOPE

1. Flexible Nasopharyngo – laryngoscope
2. Light weight and fully immersible in disinfectant solution.
3. Working length – 300-400 mm
4. Other diameter – 3.5mm to 5.0mm.
5. Instrument channel diameter – 1.5 – 2.0 mm.
6. Deflection range – Up – 130 – 180 / down – 90 – 130.
7. Direction of View – 0.
8. Field of view 80 degree to 110 degree.
9. Depth of field 2mm to 55mm.
10. Should include the following accessories:
 - i. Reusable and autoclavable biopsy forceps. (1.5 to 1.8mm diameter)
 - ii. Reusable and autoclavable grasping forceps. (1.5 to 1.8mm diameter)
 - iii. Pressure compensation cap.
 - iv. Cleaning and maintenance kit (brushes)
 - v. Leakage tester.
 - vi. Mouth piece.
 - vii. Warranty for 2 years with spares.
 - viii. Transport case.
11. Cold Light source – 175 Xenon lamp, light source twin bulb. Voltage 230v, Lamp power 24, 250W. Number of lamps 2. No. of cooling fans 2, type of lamp – with reflector, Type of lenses – condenser type, variable light intensity with heat Absorbing filter, constant colour, 1 spare halogen lamp and spare fuse.
12. Fiber optic light cable, Size 4.8 mm, length 250 cm, heat resistant, compatible with the above scope and light source.
13. Camera – ONE CHIP CAMERA SYSTEM WITH 220 vconsole, Camera head and focusing coupler, resolution 500 horizontal lines, sensitivity 1.5 lux, signal to noise ratio 55dB, white balance control on camera head, inbuilt image enhancer, flex filter to use with flexible scope.
14. Medical grade colour monitor

Item No: 8

BLOOD GAS ANALYZER WITH ELECTROLYTES

Specification

1. The Instrument should be fully automated blood gas along with electrolyte analyzer
2. Instrument should be able to measure accurately within clinical range and resolution of the following measured parameters pH, pCO₂, pO₂, Sat O₂ (SO₂), tHb, Hct, Na⁺, K⁺, Ca⁺⁺, Cl, Baro.

3. It should also have following Calculated parameters :-
 - a) pH / pCO₂ / pO₂ corrected to patients temperature.
 - b) Hematocrit.
 - c) HCO₃
 - d) Standard HCO₃,
 - e) Base Excess of blood (BE)
 - f) Base Excess of Extracellular fluid (BE-ECF)
 - g) Base Excess at current O₂ saturation (BE act)
 - h) BB (Base buffer)
 - i) Oxygen content (O₂ Ct)
 - j) Total O₂ content (T CO₂)
 - k) Alveolar to Arterial O₂ tension gradient (AaDO₂)
 - l) Arterial Alveolar O₂ tension ratio PO₂ (a/A)
 - m) O₂ carrying capacity
 - n) Functional O₂ Saturation calculated with P50 as default value (P50 / SO₂ (c))
 - o) Respiratory Index
 - p) Anion gap
 - q) MCHC middle corpuscular Hb concentration
 - r) Osmolality (Osm)
 - s) Hematocrit calculated from Total Hb {Hct(c)}
 - t) P / F index PaO₂ / FIO₂ ratio

4.
 - a) Instrument should be fully automatic with technology for accurate measurement.
 - b) Automatic 1 point, 2 point (of all measured parameters) and system calibration by liquid calibrators (without use of any Gas cylinders, Humidifiers, and cassettes) with programmable calibration frequencies.
 - c) Automatic rinsing after every measurement / calibration.
 - d) Automatic cleaning and system alignment at regular intervals.
 - e) Instrument should have a standby mode (economy mode) with auto wake up facility to optimize the reagent utilization.
 - f) The instrument should have facilities like monitor screen, keyboard and barcode reader.
 - g) All results should be microprocessor controlled and of latest technology version.
 - h) It should have highly accurate multi wavelength oxymetry measurement technology featuring ultrasonic hemolysis of sample within measuring chamber to avoid dilution, contamination, and air bubbles. Self – cleaning measuring cuvette to eliminate clots and for maintenance free operation. It should feature automatic quality control with built in QC module with random access of the on board QC ampoules.

5. Instrument should not be a Cartridge based system or using Gas cylinders, Humidifiers or Cassette based system.

6. Sample: - All parameters should be measured in single injection / aspiration of sample directly from syringe or capillaries. The instrument should accept heparinised arterial, mixed venous and capillary whole blood. It should also provide the facility to measure the above measured and calculated parameters in gases, cerebrospinal fluid, dialysate and pleural fluid, QC material etc. Sample volume should not exceed 200 UL for all measured parameters.

7. Should have input parameters (to be fetched from host computer if integrated)
 - a) Patient-ID, name
 - b) Height, weight, Date of birth, Age, Sex, Temp, Dept name, Physicians name.

- c) Sample size-
 - d) Sample Type-
 - e) Sample draw time-
 - f) Operator name-
 - g) Any other relevant as per need.
8. Result: - All results should be accurate and to be available in about 1-3 mins.
Data display on well illuminated LCD Color display with active touch screen and printed on a fast low noise graphical thermal printer with auto cutter facility.
Analyzer should have data capacity for patient results, calibration results, QC results, system messages and service registration of minimum 700 or more results.
9. Instrument to be provided with
- a) Protective acrylic cabinet with standard accessories.
 - b) Compatible Online UPS with battery backup of at least 2 hour.
 - c) Startup kits
 - d) Calibrators
 - e) Electrodes
 - f) QC materials 3 level each.
 - g) Capillaries suitable for pediatric samples.
 - h) All other required consumables including thermal paper etc along with the ABG machine
10. Essential components:
- a) Electrodes: the equipment should possess all the maintenance free electrodes without membrane with long life facility for regular quality assessment of the instrument should be provided by the company. Electrodes should be provided by the company. Electrodes should be supplied free of cost during the warranty period of 2 years and prices of electrodes should be frozen for further 5 years after warranty.
 - b) It should have traceability for all measured parameters to primary standard based on documentary evidence.
 - c) Reagents: Reagent remaining status should be available on the main screen for easy monitoring and replacement. The instrument should use liquid calibrators for calibration of all measured parameters without use of any gas cylinders, humidifiers or cassettes. On board life of reagents should not be less than one month
11. Software:
- a. Display language should have English mode.
 - b. Compatible software to communicate data between ABG machine and host computer.
 - c. It should have advanced software video tutorials, multitasking to lower down time, interface with internet, and computer network auto restart after maintenance, online help, two way communication possibility to unite operators note. The instrument should have capability to interface a computer and data acquisition and patient record with software in use / recommended. The system should have RS 232 serial port.
 - d. Reference and critical ranges should be configured based on age, sex, sample type etc.
 - e. It should have data capacity of patient results, calibration results, QC results, system messages and service registration min 700 or more results.
12. All support for integration with existing data base on host computer in must
13. Waste bag: the waste container should be sealed to prevent operator biohazard
14. Backup power supply: UPS system for blood gas analyzer for a minimum of 2 hours back up.
15. Power required: 110-240v, 50-60 Hz. There should be storage facility of data in case of power failure.

16. It should follow the international safety and ISO standard and requirements.
17. Enclosed users list with date of installation, address, and contact numbers.
18. All standard accessories should be provided
19. Demonstration is compulsory
20. Training to staff at site-should be provided.
21. Operating and detailed service manual should be provided.
22. Operating room temperature between 15-35°C and so for maintaining the optimum temperature and for smooth running of the machine one SPLIT AC 2 Ton Capacity must be supplied free along with the machine.
23. All the required reagents for investigation on ABG with electrolyte analyzers should be provided free of cost @ 25 samples per day for 2 years or 18,250 samples, whichever is more. The price for the reagent should be freezed for further 5 years after the warranty of 2 years.
24. Should have local service facility
25. PM Kit: PM Kit containing all the consumables like tubing, electrodes, light source, needles, fill port, peristaltic pump should be supplied free regularly for 2 years for maintenance. The price for the PM Kit should be freezed for further 5 years.
26. WARRANTY: comprehensive warranty of 2 years including of all spares, electrodes, sensors, pump tubing, full port, needles etc. Expected on board life of all electrodes / sensors to be listed out individually.
27. CMC: CMC including spare electrodes / sensors, pump tubing, needles, fill port, PM Kit should be quoted for 5 years after completion of warranty period of 2 years. Cost of electrodes / sensors, tubing and spares should be quoted separately.
28. System should be ISI / CE marked or US FDA approved. Should submit certificate of relevant of IEC safety standard. Any other parts except reagents to be replaced standard free of cost.
29. As the machine is utilized for cardiac surgeries, call during the breakdown should be attended within an hour. Provide toll free number and local service emergency number for better convenience.

Item No: 9

ICCU Beds Motorized

1 Description of Function

- 1.1 ICU Beds are required in the Intensive Care for comfort & safety of the patient and to facilitate comfortable transfer to and fro emergency/OT/Wards etc. It is also required to carry out point of care procedures including radiological procedures at the bedside.

2 Operational Requirements

- 2.1 The system should be electrically operable and adjustable for heights, trendelenburg etc. It should also be having radiotranslucent back section and mattress for carrying out X-Ray at the bedside

3 Technical Specifications

- 3.1 Should have four section mattress base
- 3.2 Should have X-Ray translucent back section made up of high pressure laminate.
- 3.3 Should have X-Ray cassette holder underneath the back section & should allow insertion of X-Ray cassette at back section.

- 3.4 Base frame & support frame should be made up of Epoxy powder coated mild steel for long life & prevention from rusting.
- 3.5 Should have step less electrical adjustment for the following:-
 - Height: 450-840 mm
 - Back section: 0- 50 degrees
 - Leg Section: 0-30 degrees
- 3.6 Should have step less pneumatic adjustment for Trendlenburg (15° approx), anti-trendlenburg (15° approx)
- 3.7 Should have a manual quick release mechanism for back section adjustment during emergency situation
- 3.8 Should be equipped with four articulated half-length tuck away side rails
- 3.9 Should be equipped with large castors (diameter 125 mm) with central braking and steering facility.
- 3.10 Mattress of the Bed should be made up of high density foam with Anti-Microbial agent incorporated into all components that assists in Prohibiting growth of bacteria & fungi and easy to clean.
- 3.11 Mattress should be fully Radiolucent for ease in performing portable X-Rays.
- 3.12 Should have bumpers at all four corners and place for fixing accessories
- 3.13 Dimensions of bed:
 - Length: 2200 -2290 mm
 - Width: 850 -1020mm
 - Mattress Size: appropriate as per bed size

4 System Configuration Accessories, spares and consumables

- 4.1 I.C.U Bed Mainframe perforated heavy gauge sheet
- 4.2 Heavy Gauge & total weight of Bed
- 4.3 Bed Ends, detachable: 01 pair
- 4.4 Articulated half-length tuck away side rails: 04 Nos.
- 4.5 IV Rods: 01 Nos.
- 4.6 Mattress 12 cm Thick: 01 No.

5 Environmental factors

- 5.1 Shall meet IEC-60601-1-2:2001 General Requirements of Safety for Electromagnetic Compatibility.
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50°C and relative humidity of 15-90%

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

6 Power Supply

6.1 Power input to be 180-270VAC, 50-60Hz as appropriate fitted with Indian plug

6.2 Battery backup for one hour of operations.

7 Standards, Safety and Training

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

7.2 Should be US-FDA/European CE approved product (Copy has to be enclosed)

7.3 Manufacturer should have ISO certification for quality standards.

7.4 Certified to be compliant with IEC 60601-2-38 Medical Electrical Equipment part 2-38 Particular requirements for safety of Electrically Operated Hospital Beds

8 Documentation

8.1 Certificate of Calibration and inspection from the factory

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

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

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

8.5 Service manual in English

8.6 User manual in English

Item No: 10

NEONATAL VENTILATOR

1 Description of Function

1.1 Paediatric/Infant Ventilator provide artificial respiration support to Neonates, infants & Children in ICU/Wards/NICU.

2 Operational Requirements

2.1 The Infant Paediatric ventilator should be easy to operate and should incorporate safety alarms and backup ventilation.

2.2 Microprocessor Controlled integrated suitable for child ventilation.

2.3 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Should have not less than 10 inch colored TFT screen for monitoring of the ventilation parameters, curves and loops

3.2 Automatic compliance & Leakage compensation for circuit and ET tube

-
- 3.3 Should have the facilities for following setting and display for child & Neonates
- a) Tidal Volume (5 – 200ml)
 - b) Flow Pattern – display of curve (P-T, F-T, V-T) and Loop (P, Vol., flow)
 - c) Inspiration Plateau
 - d) Pressure ramp
 - e) SIMV Rate
 - f) CPAP/PEEP
 - g) Pressure Support
 - h) FiO₂
 - i) Pause Time
 - j) Inspiration trigger sensitivity to flow & pressure
 - k) Base Flow
 - l) Sensitivity for cycling to expiration
 - m) Digital display of monitored parameter (see para 3.4)
 - n) Display of battery charge status
 - o) Insp time/I:E ratio
 - p) Alarm setting for apnea, PIP, T.V.
 - q) Alarm for power off.
- 3.4 Should have the capability of monitoring of the following parameters,
- a) Airway Pressure
 - b) Expired tidal Volume
 - c) Minute Volume
 - d) Spontaneous Minute Volume
 - e) Total Frequency
 - f) FiO₂ (by paramagnetic cell/ /Galvanic)
 - g) Auto PEEP
 - h) Rapid Shallow Breathing Index
 - i) Plateau Pressure
 - j) Inspiratory & Expiratory Resistance
 - k) Static Compliance
 - l) Imposed Work of Breathing
 - m) Peak, Plateau and mean airway pressure
 - n) leak
 - o) Inbuilt ETCO₂
- 3.5 Should have the Audio & video Alarms (User Selector) for all the measured and monitored parameters.
- 3.6 Should have the following Modes of ventilations,
- a) Volume controlled
 - b) Pressure Controlled
 - c) Pressure Support
 - d) SIMV (Pressure Control and volume control) with pressure support.
 - e) CPAP/PEEP (0 – 50 CM H₂O)
 - f) Auto mode /Auto flow or equivalent.
 - g) PRVC or equivalent.
 - h) Biphasic or equivalent
- 3.7 Reusable and autoclavable sensors should be automatically calibrated every time it is switched on
- 3.8 Should have the ability to calculate
- a) Intrinsic PEEP
 - b) Occlusion Pressure
 - c) Negative Inspiratory force
- 3.9 Driving Gas Mechanism
- a) Good quality compressor compatible with ventilator.
 - b) Compressor & ventilator should be mounted on same trolley and provide an oil free Medical air.

- c) Peak output flow should be minimum 100 LPM.
 - d) Air quality should comply with ISO compressed air purity class.
 - e) Medical Air Compressor should automatically/manually activate in the event of wall air supply loss.
 - f) Replacement of filters should be performed without removing the compressor
 - g) Should have washable air filter.
 - h) Compressor should be US – FDA approved.
 - i) Ventilator should work on atmospheric air (21, O₂) as well as 100 % O₂
- 3.10 Inbuilt Nebulizer with capability to deliver particle size of < 3 micron & to be used in both Off and On line

4. System Configuration Accessories, spares and consumables

- 4.1 (a) Infant, neonatal, Paediatric Ventilator circuit (autoclavable) – 1
- 4.1 (b) Exhalation Valve (autoclavable) – 2 with each Ventilator
- 4.2 Humidifier -Servo controlled with digital monitoring of inspired gas temperature complete with heating wire at least in inspiratory limb with servo control-01
- 4.3 Inbuilt Nebulizer
- 4.4 Compressor -01
- 4.5 Air Hose-01
- 4.6 Oxygen Hose-01
- 4.7 Paediatric autoclavable/reusable silicone breathing circuit-02
- 4.8 Infant autoclavable/reusable silicone breathing circuit-02
- 4.9 Non corrosive trolley of same manufacturer and hinged arm: 01
- 4.10 High Pressure Tubings should be compatible with the existing system of gas outlets
- 4.11 Flow sensor - 10 disposable & 5 reusable expiratory and 50 disposable patient circuits.

5. Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10 - 40°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50°C and relative humidity of 15-90%

6. Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
- 6.2 Suitable UPS and Internal Battery backup for minimum one hour for ventilator

7. Standards, Safety and Training

- 7.1 Should be US – FDA and European CE approved product
- 7.2 Manufacturer should have ISO certification for quality standards.

8. Documentation

- 8.1 Certificate of calibration and inspection from factory.
- 8.2 List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Service manual in English
- 8.5 User manual in English
- 8.6 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Item No: 11

Power Instrument Drill and Saw etc.

- A) Function – Power instruments: Drill and saw are used for almost all orthopaedic surgeries for making holes in the bone and putting screws, for reaming the bone for various purposes, for cutting the bone and using in joint replacement and other purpose.
- B) Battery driven, autoclavable, versatile, forward and reverse mode with oscillating saw hand pieces. It should be able to perform orthopaedic procedures of drilling, intramedullary reaming, fixation of K wire, reaming of acetabulum and sawing of bone etc. Following are the technical specifications
1. Reamer and drill (Hand piece) single hand piece. Control on hand
 - Fully cannulated with 4.0 mm diameter
 - Drilling speed from 0-1200 rpm
 - Reaming speed from 0-340 rpm control on hand piece
 - Power 150-200 watts
 - Torque upto 100-200 lbs
 - Clockwise and counter-clockwise operation
 - Operating voltage 10-16 V
 - Typical charging time of 50-90 mins
 - US FDA approved
 - Sterilization by steam, ETO, Flash
 - Should not require any lubrication
 - Future navigation interface for joint replacement surgery
 2. Jacob's chuck with key
 - Cannulated with key
 - Operating capacity 0-8 mm
 - Maximum speed: up to 900 rpm
 3. Drill chuck keyless
 - Operating capacity 0-8 mm
 - Maximum speed: up to 900 rpm
 4. Quick coupling for DHS / DCS triple reamers
 - Cannulated
 - Maximum speed: 900 rpm
 5. Hudson quick coupling
 - Cannulated
 - Maximum speed: 340 rpm
 6. Quick coupling modified
 - Reamer attachment
 - Cannulated
 - Maximum speed: up to 900 rpm
 7. Quick coupling for Kirschner wires
 - For diameter 1.0 to 4.0 mm
 - Maximum speed: 930 rpm
 8. Battery oscillator (hand piece)
 - Autoclavable and ETO sterilizable
 - Variable frequency of 0-12000 osc / min
 - Saw blade deflection 3-6
 - Saw blade fixation in different angles

Typical charging time of 50-90 mins

Saw blade for general traumatology(20 blades), ACL blades(5 blades) and joint replacement surgery (20 blades) with different width, length and thickness

9. Batteries

No memory effect (special charging process eliminates memory effect)

Long battery lifetime 300-1000 charging cycles

Non sterile batteries

Quick re-availability (because no washing/sterilization is necessary)

Safe and easy handling in operation theatre

Standard battery

US FDA approved / CE Approved

10. Universal battery charger

220-240 V

Minimum two charging base available

Keeps inserted batteries constantly fully loaded

Maximum charging time of empty battery between 60 and 90 mins (depending on battery time)

Easy to use (Clear symbols and LEDs to help the user)

US FDA approved

11. Battery reciprocator (hand piece)

Variable frequency of 14000-30000 osc / min

Typical charging time of max 90 mins

Click in saw blade fixation

Saw blade for reciprocating saw

Variable in length, width and thickness

US FDA approved

C) System Configuration, accessories, spares and consumables.

D) Environmental factors:

1. The unit shall be able to function continuously in temperature of 0 to 50° and humidity of 15 to 90%

2. The unit shall be capable of functioning in temp of 20 to 30° and relative humidity of less than 70%

E) Power supply:

1. Power input of 220 to 240 VAC, 50 Hz fitted with Indian plug

F) Standard, safety and training:

1. Should be CE European / US FDA approved, manufacturer / supplier should have ISO certificate of quality standard.

2. Should be compliant with IEC 61010-1 (or any international equivalent eg. EN / UL61010) covering safety requirements.

G) Documentation:

1. User / technical / Maintenance manual should be supplied in English.

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

3. Compliance report in a tabulated point wise manner, clearly mentioning the page / para no of original catalog / datasheet.

4. Logbook with instructions for daily / weekly / monthly maintenance checklist

Item No: 12

Pulse Oximeter

1 Description of Function

- 1.1 A pulse oximeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmograph

2 Operational Requirements

- 2.1 Suitable for all types of Patient range :Adult, pediatric, infant, and/or neonate

3 Technical Specifications

- 3.1 Display- LCD, Backlight illuminated
- 3.2 Parameters and waveform displayed- SpO₂, pulse rate, system status, plethysmogram, menus for user settings
- 3.3 SPO₂ range- 70-100 %
- 3.4 Accuracy of SPO₂- 3%
- 3.5 Pulse rate range should be 30-240 bpm
- 3.6 Audiovisual Alarms- High/low SpO₂ and pulse rate, sensor off, sensor failure, low battery
- 3.7 Alarm override facility
- 3.8 Cable length should be minimum 1 metre
- 3.9 RS 232C Interface for data communication
- 3.10 Integrated Printer / External Printer
- 3.11 Battery back-up operating time 5 hours.

4 System Configuration Accessories, spares and consumables

- 1.1 System as specified-
- 1.2 SpO₂: Adult SpO₂ sensor with cable- two nos per monitor, Nenonet SpO₂ sensors- one no. per monitor. and Pediatric SpO₂ sensors- one no. per monitor.

5 Environmental factors

- 5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40°C and relative humidity of 15-90%

6 Power Supply

- 6.1 Should work on 220-240V AC as well as batteries. Mains adaptor to be supplied
- 6.2 Rechargeable battery operated system. Charger to be provided if integrated charger is not there

7 Standards, Safety and Training

- 7.1 Should be FDA / CE or BIS approved product
- 7.2 Manufacturer/Supplier should have ISO certification for quality standards.
- 7.3 Comprehensive warranty for 2 years & AMC for 5 years

8 Documentation

- 8.1 User/Technical/Maintenance manuals to be supplied in English.
- 8.2 Certificate of calibration and inspection.

Item No: 13

RESUSCITATION TROLLEY WITH ACCESSORIES

Resuscitation kit should be designed to store and carry basic resuscitation equipment, intubation equipment and accessories including ampoules. The outer cover of bag is made of splash proof polyamide, straps and belts are made of polypropylene.

It should have resuscitation bag (adult) to deliver a max from 10ml, tidal volume of approximate 1300 ml, the outer cover of resuscitation bag should be 100% latex free, along with reservoir bag.

It should have pneumatically powered portable transport ventilator for adult and children with a body weight down to approximate 15 kg (3 years), it should deliver 12 or 20 breaths per minute & tidal volume in the range of 200-1200ml. Oxygen concentration switch for ventilation at either 60% or 100% should be present.

It should have double chamber Suction Pump which can be operated mechanically (i.e. by foot/hand). It should have 10-mm suction tip through which maximum free airflow of 70 l/min and a vacuum of -600 mmHg can be achieved. All parts should be autoclavable at 121°C.

It should have oxygen regulator and oxygen cylinder for connection to uni-suction pump and portable transport ventilator with a filling pressure of maximum 200 bar. It should have controlled flow in the range of 0.25-25l/min for manual resuscitation.

It should have paediatric intubation equipment - Disposable Endo-tracheal tube with cuff of sizes 6.5,7,7.5,8 & 8.5 mm (1 Nos. each), Suction catheters 3.3, 4.0 & 5.5mm (3 Nos. each), Guedel airway size 1,2 & 4, Laryngoscope handle with 2 macintosh blades of sizes 2 & 3, Spare lamp (1 no.) for laryngoscope, Magill forceps, Pair of bandage scissor, Artery forceps, Lister type dressing forceps, Roll of adhesive plaster (silk quality), Insulation foil (gold /silver), plastic syringe 10 ml for cuff inflation & 2 ml, 5ml, 10 ml with luer connector (2 no. each), Hypodermic needle 18G & 21G (12 Nos. each)

It should not weigh more than 20 kg.

Item No: 14

ROTARY MICROTOME MOTORIZED FULLY AUTOMATIC

1. Fully automated motorized rotary microtome along with manual operation having microprocessor controlled panel with provision for motorized cutting via operating panel or foot pedal control.
2. Precise Micrometer feed system via stepper motor permits precision sectioning selectable at least from 2.0-40/60 micron in 0.5 micron increments.
3. Trimming section selectable from 2 micron onwards.
4. The vertical specimen stroke length of 70mm larger specimen can be sectioned. The specimen holder should be clamp type and hold 60 mm size block.
5. Suitable Knife holder for high profile and low profile should be provided.
6. The specimen refraction should occur on return stroke.
7. Knife angle position locking facility should be provided.
8. Cold light source.

9. Precise specimen orientation with zero point indication, with an orientation 8 X, Y axis helps in making perfect orientation of the sample for sectioning.
10. Motorized coarse feed in two speeds 30 micron/sec. and 90 micron/sec. Variable sectioning speed adjustable from 0.5 to 420 mm/sec.
11. Disposable blades holder with lateral displacement feature that can hold both high and low profile blades and knife holder which can accommodate 16 cm C& D type knives.
12. Knife holder should be vibration free.
13. Integrated section waste tray.

Essential Accessories should be each quoted separately.

2. Microtome disposable blades (High profile coated) - 20 packets (50 blades/pack) (1000 nos.)
3. Microtome disposable blades (Low profile coated) - 20 packets (50 blades/pack) (1000 Nos.)
4. C type Knife 16 cm - 3 Nos.
5. Cold plate (Dry Type)

Item No: 15

ULTRASONIC KNIFE

1 Description of Function

- 1.1 Ultrasound is the basis for an efficient surgical instrument: the cuts and coagulates by using lower temperatures than those used by electrosurgery or lasers. Controls bleeding by coaptive coagulation at low temperatures ranging from 50°C to 100°C: vessels are coapted (tamponaded) and sealed by a protein coagulum. It should not be combined with any other energy source.

2 Operational Requirements

- 2.1 The system is should be used for Laparoscopic & open Procedures which should operate at the same frequency.

3 Technical Specifications

- 3.1 Ultrasonic generator generating ultrasound frequency in between 35-70 KHz
- 3.2 Hand-piece with transducer & silicon cable
- 3.3 Capability of being operated by hand control or foot switch.
- 3.4 Single/Dual foot-switch attachment
- 3.5 Stand-by mode for better safety
- 3.6 System diagnostics and troubleshooting guide
- 3.7 Warning system for malfunctioning cable, probe etc. (Audible/Visual)
- 3.8 It should not interfere with other electromagnetic devices.
- 3.9 It should have a horizontal/torsional vibration
- 3.10 Should be capable of sealing vessels 5-7mm in diameter
- 3.11 Should have different audible tone settings for different modes

4 System Configuration Accessories, spares and consumables

4.1 Accessories:

1. Foot-switch with cable.
2. Cart to house the generator and accessories

4.2 Open surgery Instruments:

- a. Coagulation shears- 5mm dia 18cm long or more
- b. Dissecting grasper 5mm dia for Coagulation 18 cm or more

4.3 Endoscopic surgery Instruments:

- a. Dissector Grasper 5mm diameter 30cm-45cm long
 - b. Curved Shear, 5mm diameter, 30cm- 45cms long
- 4.4 Any Other compatible Accessories have to be offered if any.

5 Environmental factors

- 5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50°C and relative humidity of 15-90%
- 5.2 The unit shall be capable of operating continuously in ambient temperature of 10 - 40°C and relative humidity of 15-90%

6 Power Supply

- 1.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
- 1.2 UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

7 Standards, Safety and Training

- 7.1 The generator must be CF isolated applied device and defibrillator protection must be available.
- 7.2 Should be USFDA/ European CE approved Model.
- 7.3 Manufacturer should have ISO certification for quality standards.
- 7.4 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
- 7.5 Instrument should be upgradeable in case of any technology advancement free of cost.

8 Documentation

- 8.1 User/Technical/Maintenance manuals to be supplied in English.
- 8.2 Certificate of calibration and inspection.
- 8.3 List of Equipment available for providing calibration and routine Preventive Maintenance Support as per manufacturer documentation in service/technical manual.
- 8.4 List of important spare parts and accessories with their part number and costing.
- 8.5 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.
- 8.6 The equipment should be available for demonstration in case required
- 8.7 The equipment should be available for demonstration in case required
- 8.8 The equipment should have 95% uptime. If downtime exceeds 5% in a calendar Year, Warranty will exceed for double the number of days.

Item No: 16

VIDEO BRONCHOSCOPE

Tender Requirements:

2. BRONCHOSCOPE
3. COLOR VEDEO MONITOR
4. VIDEO PROCESSORS
5. COLD LIGHT SOURCE
6. RECORDER
7. TROLLEY

Bronchoscope

2. The working length of the Bronchoscope should be 60 cm or more.
3. The outer diameter should not exceed 4.0 mm (lesser diameter preferable)\
4. Range of bending at the tip should be minimum 150 degrees up and 100 degree down.
5. Outer channel – Not more than 4.0 mm
6. Working channel diameter – 1.2 mm or above, with closed suction system.
7. Colour CCD chip integrated with the bronchoscope which can generate brilliant high resolution full screen video images
8. Leak testing facility
9. Outer diameter 6 mm
10. Working length around 600mm
11. Total length around 870 mm
12. Angulation up 180 degree, down 130 degree

COLOUR VIDEO MONITOR

- To support endoscopic applications with high resolutions clarity of images perfect observation (approx 600 TV Lines)
- Easy to use controls
- Remote controls
- On screen menu for image adjustment
- Variable inputs signals :REB, Y/C and composite
- Colour setting: Two REB input signals can be observed simultaneously for printer.
- REB split mode

VEDEO PROCESSORS:

- Should provide flicker and blur free images
- Colour CCD technology to provide perfect colour reproduction
- Provision for still image / video capturing and digital recording. Image resolution atleast 1.2 mega pixels

LIGHT SOURCE

- Compatible light source for color CCD video Bronchoscope system
- Automatic light adjustments to maintain optimum brightness
- Xenon lamp 300 W
- It should be supplied with suitable voltage stabilizer.

RECORDER

- Ability to record in digital format with ability to output image and video sequences in CD/DVD Rom

Should provide standard accessories TROLLEY

Item No: 17

VIDEO-LARYNGOSCOPE (ENT Department)

- 1) Straight Forward telescope 15 degree, diameter 4mm, and length 17cm, autoclavable, 45 degree angled eye piece with fiber optic light transmission incorporated.
- 2) Video-laryngoscope for adults,
 - Length 18 cm.
 - Enlarged proximal opening.

- Curved distal tip specially designed to elevate the epiglottis and optimal placement of anterior commissure.
 - Flattened surface of blade to prevent damage to teeth
 - Telescope guide tube integrated into the lumen with adapter for telescope for use with distal illumination light carrier or proximal light tip.
 - Vapor suction tube
 - Laryngoscope holder.
- 3) Video-Laryngoscope sheath Laryngoscope and fiber optic light cable Size 3.5mm, length 250cm Compatible with scope.
- 4) Straight cutting forceps, upward cutting with cupped jaw, cutting forceps curved left, scissors straight, scissors angled 45 degree, scissors curved right and curved left. All the instruments working.

Length should be 23cm.

- 5) Cold Light Source – Xenon

Cold Light Fountain XENON 300 with one 300 Watt XENON lamp and one light outlet. Power supply 100-125 / 220-240 VAC, 50 / 60 Hz consisting of XENON 300 400A Mains cord. High light intensity due to 175 W Xenon lamp. Light intensity continuously manually adjustable.

- 6) HIGH RESOLUTION MONITOR COMPATIBLE WITH CAMERA & SCOPE

Should be 19 inch TFT flat screen monitor. Should have the following

Video inputs: S- Video, RGB, VGA, Composit, SDI and DVI. Should have on- screen menu for monitor setting.

- 7) Digital Endoscopic Camera System 3 Chip Camera
- Camera should be autoclavable
 - Should have video output and S. video output
 - Should have Digital filter and contrast enhancement
 - Should have anti-moister filter for fiber scopes
 - Should have key board for character generation
 - Should have manual and fully automatic exposure control
 - Should have automatic white balance with memory function.
 - Should have freeze frame function for teaching purpose
 - Should have IEC Certification.
- 8) As per safety Standards with warranty of 2 years & AMC of 5 years.

Item No: 17

Online Arterial Blood Gas (ABG) System

Extra Corporeal Membrane Oxygenation (ECMO) with online Arterial Blood Gas (ABG) System

A. The Console should have the following specifications:-

1. Should have brushless DC (Non-arcing) external pump drive motor
2. Should have all safety measures like Auto clamp. Bubble detector, Level sensors etc.
3. Should have two rechargeable, series connected, 12 DC lead-acid gel internal batteries
4. Should have analog & digital displays for flow and RPM
5. Should have two pressure measurement capabilities & two timers
6. Should have high definition color LCD display with adjustable viewing angles
7. Should have touch screen design
8. Should have three distinctive tone options for alerts/alarms
9. Should have updated electronic architecture for future up-gradations
10. Should meet latest UL and TUV requirements
11. Should have touch pad keyboard for menu and value selection
12. Should have battery status and charge indicator
13. Should have ergo-metrically designed flow controlled knob
14. Should have RS 232 interface: flow, RPM, pressure, alarm status
15. System limits :-
 - Flow: 0.00 to 9.99 liters per minute
 - RPM: 0 to 4500 revolutions per minute (RPM)
 - Pressure: -300 to +999mm Hg
16. Base unit dimensions :-
 - Height 31.88 cm (12.55 in)
 - Width 22.83 cm (8.99 in)
 - Length 43.02 cm (16.9 in)
 - Weight 17.19 Kg (37.9 lb)
17. User interface dimensions :-
 - Overall size: 22.18 cm (8.7 in) wide by 34.5 cm (13.6 in) long
 - Screen size: 26.41 cm (10.4 in) diagonal
 - Weight: 4.26 Kg (9.4 lb)

B It should be supplied with (Non-Impeller) Centrifugal Blood Pump with the following specifications: -

1. Should have priming volume of 86 ml
2. Should have Inlet/Outlet I.D. of 3/8" (9.5 mm)
3. Should have vertical (rectangular) outlet opening (not curved, circular)
4. Should have polycarbonate outer housing
5. Should have maximum operating pressure of 1100 mmHg

C The Arterial Blood Gas System should have the following specifications: -

1. Should be able to provide real time information regarding venous oxygen saturation, arterial oxygen saturation & hematocrit.
2. The oxygen saturation range should be between 40% to 99% & Hematocrit range between 16% to 38%.
3. Should have battery backup of at least 6hours.
4. Should be lightweight & portable.
5. Should have an integrated hold clamp
6. It should have a large & colour coded display.
7. System should be able to capture SVO2 , SA02 & HCT values for later retrieval
8. It should operate on 230volts
9. The system should have an RS232 port.

D The above ECMO system should be supplied with ECM^o oxygenators (5 pcs) with the following specifications:-

1. Should have FDA-510(k) market clearance
2. Should be made from biocompatible silicon polymer membrane
3. Gas transfer should be by molecular diffusion
4. Should be available in three different model to suit different sized patients
5. Surface area should be 0.6 Sq m, 0.8 Sq m and 1.5 Sq m
6. Static priming volume should be 90 ml, 100 ml and 175 ml
7. Maximum gas flow rate should be 1.8L/min, 2.4 L/min and 4.5 L/min
8. Maximum blood flow rate should be 1 L/min, 1.2 L/min and 1.8 L/min
9. Should also be available with the inbuilt heat exchanger in three different sized model –
 - Surface Area — 2.5 sq m, 3.5 sq m & 4.5 sq m
 - Priming Volume — 455 ml, 575 ml & 665 ml
 - Max. Gas flow rate — 7.5 L/min, 10.5 L/min & 13.5 L/min
 - Max. Blood flow rate — 4.5 L/min, 5.5 L/min & 6.5 L/min

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

- a) Two years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) Warranty period will be 2 years from the date of installation, commissioning and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
- b) 98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) **All software updates should be provided free of cost during Warranty period.**

2. After Sales Service:

After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer/Indian Agent. Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply.

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. The same will be in line with the training modalities as specified in general technical specification.

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 equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC 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 be added for Ranking/Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
- 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.

Turnkey:

Turnkey is indicated in the technical specification of the respective items, wherever required. The Tenderer shall examine the existing site where the equipment is to be installed, in consultation with HOD of Hospital/Institution/Medical College concerned. Turnkey details of each Hospital/Institution/Medical College are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Turnkey Job of each Hospital/Institution/Medical College. The Turnkey costs may be quoted in Indian Rupee will be added for Ranking Purpose.

The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later. The Turnkey Work should completely comply with AERB requirement, if any.

Note 1: Tenderer's attention is drawn to GIT clause 18 and GIT sub-clause 11.1 A (iii). The tenderer is to provide the required details, information, confirmations, etc. accordingly failing which its 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. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipments checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.

Note 3: Adequate training of personnel and non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

The successful tenderer will be required to undertake to provide at his cost technical training for personnel involved in the use and handling of the equipment on site at the institute immediately after its installation. The company shall be required to train the institute personnel onsite for a minimum period of 1 month

All software updates should be provided free of cost during warranty period and CMC period

Section – VIII

Quality Control Requirements

(Proforma for equipment and quality control employed by the manufacturer(s))

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

- 01 Name of the manufacturer
 - a. full postal address
 - b. full address of the premises
 - c. telegraphic address
 - d. telex number
 - e. telephone number
 - f. fax number

- 02 Plant and machinery details
- 03 Manufacturing process details
- 04 Monthly (single shift) production capacity of goods quoted for
 - a. normal
 - b. maximum

- 05 Total annual turn-over (value in Rupees)
- 06 Quality control arrangement details
 - a. for incoming materials and bought-out components
 - b. for process control
 - c. for final product evaluation
- 07 Test certificate held
 - a. . type test
 - b. . BIS/ISO certification
 - c. . any other
- 08 Details of staff
 - a. technical
 - b. skilled
 - c. unskilled

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorise their authorized agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.
2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer

Note:

1. The tenderer shall give an affidavit as under:

“We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.”

2. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma ‘A’.

The manufacturer (Tenderer) / Indian Agent shall furnish Satisfactory Performance Certificate in respect of above, duly translated in English and duly notarized in the country of origin, alongwith the tender.

3. 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.
4. 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.
5. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

Order placed by (full address of Purchaser/Consignee)	Order number and date	Description and quantity of ordered goods and services	Value of order (Rs.)	Date of completion of Contract		Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily (attach documentary proof)**
				As per contract	Actual		
1	2	3	4	5	6	7	8

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Signature and seal of the Tenderer

**** The documentary proof will be a certificate from the consignee/end user with cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished.**

**** The bidders are requested to submit the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER, Institute of National importance for the specific model quoted along with the price bid.**

Section – X
TENDER FORM

Date _____

To

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

Ref. Your TE document No. _____ dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver _____ (*Description of goods and services*) in conformity with your above referred document **for the sum as shown in the price schedules 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 – XI PRICE SCHEDULE

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA

1	2	3	4	5							6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)							Total Price (at Consignee Site) basis (Rs.) 4 x 5(g)
				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 Tender price in Rupees: _____

In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Currency)							6 Total price on CIP Named Port of Destination + Insurance (local transportation and storage) 4X 5 (e)
				FOB price at port/airport of Lading (a)	Indian Agency Commission (% of FOB)** (a)	Net FOB (a)	Freight & Insurance (port of loading to port of entry) and other Incidental costs (b)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (c)	Extended Insurance (local transportation and storage) from port of entry to the consignee site for a period including 3 months beyond date of delivery** (d)	Unit Price on CIP Named Port of Destination + Extended Insurance (local transportation and storage) (e) = a+b+c+d	

** To be paid in Indian Currency (Rs.)

Total Tender price in foreign currency: _____

In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable
4. Custom duty @ 11.64% and 2% C & F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

Indian Agent:

Indian Agency Commission - ___% of FOB

Signature of Tenderer _____

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

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

1	2	3	4					5	6
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract Cost for Each Unit for 5 years (4a+4b+4c+4d+4e)	Annual Comprehensive Maintenance Contract Cost for 05 years (3 x 5)
			1 st	2 nd	3 rd	4 th	5 th		
			a	b	c	d	e		

* After completion of Warranty period

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. **“Whether service tax on CMC is inclusive or extra ,if extra, indicate the present rate.....”**.In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during 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.

Place: _____
Date: _____

Name _____
Business Address _____
Signature of Tenderer _____
Seal of the Tenderer _____

D) PRICE SCHEDULE FOR TURNKEY

Schedule No.	BRIEF TURNKEY DESCRIPTION OF GOODS	CONSIGNEE CODE	Turnkey price

Note: -

1. The cost of Turnkey as per Technical Specification (Section VII) may be quoted on lump sum along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
2. Cost of Turnkey will be added for Ranking/Evaluation purpose.
3. The payment of Turnkey will be made as per clause GCC clause 21.1 (c).
4. The stipulations in Technical Specification will supersede above provisions

Name _____

Business Address _____

Signature of Tenderer _____

Seal of the Tenderer _____

Place: _____

Date: _____

**SECTION – XII
QUESTIONNAIRE**

Fill up the Section XX – Check List for Tenderers and enclose with the Tender

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark “not applicable”.
2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.
3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

Whereas _____ (hereinafter called the “Tenderer”) has submitted its quotation dated _____ for the supply of _____ (hereinafter called the “tender”) against the purchaser’s tender enquiry No. _____ Know all persons by these presents that we _____ of _____ (Hereinafter called the “Bank”) having our registered office at _____ are bound unto _____ (hereinafter called the “Purchaser) in the sum of _____ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20____. The conditions of this obligation are:

- 1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - fails or refuses to furnish the performance security for the due performance of the contract or
 - fails or refuses to accept/execute the contract or
 - if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above 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

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

We also state that we are not participating directly in this tender for the following reason(s):
_____ (*please provide reason here*).

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

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

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorised agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly”

Yours faithfully,

[*Signature with date, name and designation*]

for and on behalf of Messrs _____

[*Name & address of the manufacturers*]

Note: 1. *This letter of authorisation should be on the 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.*
2. *Original letter may be sent.*

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

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 66 (Sixty Six) months from the date of Notification of Award i.e. up to ----- (indicate date)

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

SECTION – XVI

CONTRACT FORM - A

CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS

(Address of the Purchaser's/Consignee's office issuing the contract)

Contract No _____ dated _____

This is in continuation to this office's Notification of Award No _____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No _____ dated _____ and subsequent Amendment No _____, dated _____ (if any), issued by the purchaser
3. Supplier's Tender No _____ dated _____ and subsequent communication(s) No _____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

- (i) General Conditions of Contract;
- (ii) Special Conditions of Contract;
- (iii) List of Requirements;
- (iv) Technical Specifications;
- (v) Quality Control Requirements;
- (vi) Tender Form furnished by the supplier;
- (vii) Price Schedule(s) furnished by the supplier in its tender;
- (viii) Manufacturers' Authorisation Form (if applicable for this tender);
- (ix) Purchaser's Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

- (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

Any other additional services (if applicable) and cost thereof: _____

- Total value (in figure) _____ (In words) _____
- (ii) Delivery schedule
 - (iii) Details of Performance Security
 - (iv) Quality Control
 - (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
 - (b) Designation and address of purchaser's inspecting officer
 - (v) Destination and despatch instructions
 - (vi) Consignee, including port consignee, if any

- 6. Warranty clause
- 7. Payment terms
- 8. Paying authority

**(Signature, name and address
of the Purchaser's/Consignee's authorised official)
For and on behalf of**_____

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B**CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

Annual CM Contract No. _____ dated _____
Between _____

(Address of Head of Hospital (AIIMS))
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

2. The Contract of Annual Comprehensive Maintenance is hereby concluded as under:

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

Total value (in figure) _____ (In words) _____

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from _____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

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

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

**(Signature, name and address
of Hospital (AIIMS) authorised official)**
For and on behalf of _____

Received and accepted this contract

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

For and on behalf of _____
(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

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

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

- 1) Contract No. & date : _____
- 2) Supplier’s Name : _____
- 3) Consignee’s Name & Address with
telephone No. & Fax No. : _____
- 4) Name of the item supplied : _____
- 5) Quantity Supplied : _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Authorized
Representative of Consignee with
date : _____
- 9) Seal of the Consignee : _____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment/plant.

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to ‘Technical Specifications’.
- b) 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).

- c) 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:

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

**SECTION – XIX
ANNEXURES**

Annexure 1

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

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

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

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

(b) SHIPMENT FORM PORTS OF U.K. INCLUDING NORTHERN

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

(c) ISHIPMENT FROM ADRIATIC PORTS OF EASTERN ITALY AND YUGOSLAVIA

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

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

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

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

(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA

(i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

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

Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

(e) SHIPMENT FROM U.S.S.R

Shipment under this contract should be made in accordance with the agreement between the Government of the Republic of India and the Government of U.S.S.R on Merchant Shipping 1976, as amended up-to-date, by vessels of Indo-Soviet shipping Service.

(f) SHIPMENT FROM JAPAN

The shipment of goods should be made of India vessels to the maximum extent possible subject to the minimum of 50%.

The Seller should arrange shipment of the goods in consultation with the Embassy of India in Japan, Tokyo to whom details regarding contract number, nature of cargo, quantity, port of loading/discharge, name of Govt. consignee, expected date of readiness of each consignment etc. should be furnished at least six weeks in advance of the required position.

Note: The copies of such contracts are to be endorsed both to the Attached (commercial) embassy of India in Japan, Tokyo, and the shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi.

(g) SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, EGYPT

The Seller shall arrange shipment of the goods by Indian flag vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels, the seller shall give adequate notice of not less than six weeks about the readiness of each consignment to the Shipping Purchaser of India Ltd., SHIPPING HOUSE, 245, Madame Cama Road, Bombay – 400 021 (CABLE: SHIPINDIA BOMBAY) and also endorse a copy thereof to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

(h) SHIPMENT FROM PAKISTAN

The shipment of cargoes should be made by Indian vessels to the maximum extent possible subject to a minimum of 50 %.

Shipment arrangement should be made by the sellers in consultation with M/s Mogul Line Ltd., 16-Bank Street, Fort, Bombay – 400023 (Cable: MOGUL BOMBAY: Telex: 011 – 4049 MOGUL), to whom, details regarding contract number, nature of cargo, quantity, port of lading discharging, name of government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

(i) SHIPMENT FROM U.S ATLANTIC & GULF PORTS

The Seller should arrange shipment of the goods by vessels belonging to the member lines of the India – Pakistan – Bangladesh – Ceylon and Burma Outward Freight Conference. If the Seller finds that the space of the ‘Conference Lines’ vessels is not available for any specific shipment he should take up with India – Pakistan- Bangladesh – Ceylon and Burma Outward Freight Conference, 19, Rector Street, New York, N.Y. 10006 USA, for providing shipping space and also inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

(j) SHIPMENT FROM ST. LAWRENCE AN EASTERN CANADIAN PORTS

The Seller should arrange shipment of the goods by vessels belonging to the following shipping lines;

1. The shipping Purchaser of India Ltd.
2. The Scindia Steam Navigation Co., Ltd

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

(k) SHIPMENT FROM WEST COAST PORTS OF U.S. CANADA AND OTHER AREAS NOT SPECIFICALLY MENTIONED ABOVE

The Seller should arrange shipment of the goods by Indian vessels to the maximum extent possible subject to a minimum of 50 %. For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should furnish the details regarding contract number, nature of cargo, quantity, port of lading, discharging, name of government consignee, expected date of readiness of each consignment etc. to the Shipping Co-ordination Officer, Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) at least six weeks in advance of the required position.

2. BILLS OF LADING

(i) C.I.F./C&F/TURNKEY SHIPMENTS

The Bills of lading should be drawn to indicate Shipper and 'Consignee' as under:

SHIPPER: The C.I.F (C&F)/TURNKEY SUPPLIERS concerned.

CONSIGNEE: As per consignee's particulars in the contract (The name and address of the 'Port Consignee' and 'Ultimate' both should be indicated).

(ii) F.O.R SHIPMENTS

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

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

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

SECTION – XX
CHECKLIST

Name of Tenderer:
Name of Manufacturer:

Sl No.	Activity	Yes/ No/ NA	Page No. in the 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 X?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by Directorate of Industries/NSIC			
4. 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?			
5. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
b.	Have you submitted copy of the order(s) and end user certificate?			
6.	Have you submitted manufacturer's authorization as per Section XIV?			
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
9. 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?			
10.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
11.	Have you fully accepted payment terms as per TE document?			
12.	Have you fully accepted delivery period as per TE document?			
13.	Have you submitted the certificate of incorporation?			
14.	Have you accepted the warranty as per TE document?			
15.	Have you accepted terms and conditions of TE document?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
17	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
18	Have you enclosed the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER or Institute of National importance for the specific model quoted along with the price bid			

N.B.

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

(Signature with date)

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

For and on behalf of

(Name, address and stamp of the tendering firm)

**Section – XXI
Consignee List**

Consignee address.	AirPort	Sea Port / Dry Port
The Dean Government Medical Collage & Hospital Hanuman Nagar Nagpur - 440 009 Ph: 0183 257 2304	Mumbai	Mumbai

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