

GLOBAL TENDER ENQUIRY DOCUMENT

**FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR SIX AIIMS**

**UNDER PMSSY Scheme
FOR**

GOVT OF INDIA

**MINISTRY OF HEALTH & FAMILY WELFARE
HLL/PCD/PMSSY/AIIMS-II/04/13-14**



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/AIIMS-II/04/13-14

Dated 02.12.2013

NOTICE INVITING TENDERS (NIT)

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites sealed tenders, from eligible and qualified tenderers for supply of Medical Equipments for Orthopaedics and Surgery departments for Six All India Institutes of Medical Science (AIIMS) – Bhopal, Bhubaneswar, Jodhpur, Patna, Raipur, Rishikesh, under PMSSY:

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
1	Orthopedic table with attachments	Orthopedic OT	2	12	840,000
2	Cautery Machine with Vessel Sealing	Orthopedic OT	1	6	84,000
3	Cautery machine	Orthopedic OT	2	12	72,000
4	Suction machine	Orthopedic OT	2	12	4,800
5	C-arm	Orthopedic OT	2	12	288,000
6	Tourniquet	Orthopedic OT	2	12	48,000
7	Battery operated drills	Orthopedic OT	1	6	180,000
8	General orthopedic instruments (Set 1 to 6)	Orthopedic OT	1	6	60,000
9	Plaster saw and equipments	Orthopedic OT	1	6	12,000
10	Arthroscopy System	Orthopedic OT	1	6	360,000
11	Pneumatic drill system	Orthopedic OT	1	6	144,000
12	Orthopaedic Bed with Balkan frame with traction attachment – 4 nos	Orthopedic Ward and OPD	4	24	9,600

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
13	Electro OT table	Surgery	2	12	360,000
14	Hydraulic OT table	Surgery	1	6	72,000
15	laparoscope set	Surgery	1	6	660,000
16	Open surgery instrument	Surgery	1	6	480,000
17	ESU	Surgery	3	18	180,000
18	Ultrasonic Cutting & coag.	Surgery	1	6	264,000
19	ESU with vessel sealing	Surgery	1	6	144,000

(2) **Tender No.: HLL/PCD/PMSSY/AIIMS-II/04/13-14**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	03.12.2013 to 13.01.2014, 1000 hrs to 1600 hrs IST
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
iii.	Cost of the Tender Enquiry Document	Rs. 5000/-
iv.	Pre Tender Meeting Date & Time	09.12.2013, 1430 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	14.01.2014, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	14.01.2014, 1230 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 5000/- 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)
HLL Lifecare Limited

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.”**

34.2

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, inter alia, 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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D	22 to 24	Submission of Tenders	No Change	26
E	25	Tender Opening	No Change	26
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	26
G	38 to 45	Award of Contract	No Change	26

**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 respective consignees. 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

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Warranty required	CMC required
1	Orthopedic table with attachments	Orthopedic OT	2	12	5 years	yes
2	Cautery Machine with Vessel Sealing	Orthopedic OT	1	6	5 years	yes
3	Cautery machine	Orthopedic OT	2	12	5 years	yes
4	Suction machine	Orthopedic OT	2	12	5 years	yes
5	C-arm	Orthopedic OT	2	12	5 years	yes
6	Tourniquet	Orthopedic OT	2	12	5 years	yes
7	Battery operated drills	Orthopedic OT	1	6	5 years	yes
8	General orthopedic instruments (Set 1 to 6)	Orthopedic OT	1	6	5 years	yes
9	Plaster saw and equipments	Orthopedic OT	1	6	5 years	yes
10	Arthroscopy System	Orthopedic OT	1	6	5 years	yes
11	Pneumatic drill system	Orthopedic OT	1	6	5 years	yes
12	Orthopaedic Bed with Balkan frame with traction attachment – 4 nos	Orthopedic Ward and OPD	4	24	5 years	yes
13	Electro OT table	Surgery	2	12	5 years	yes
14	Hydraulic OT table	Surgery	1	6	5 years	yes
15	laparoscope set	Surgery	1	6	5 years	yes
16	Open surgery instrument	Surgery	1	6	5 years	yes
17	ESU	Surgery	3	18	5 years	yes
18	Ultrasonic Cutting & coag.	Surgery	1	6	5 years	yes
19	ESU with vessel sealing	Surgery	1	6	5 years	yes

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:

75 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.

Note: Deleted

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 60 months from the date of installation, commissioning and acceptance or 66 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

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

TECHNICAL SPECIFICATIONS

Schedule no. 1

ORTHOPAEDIC OPERATING TABLE with ACCESSORIES

SPECIFICATIONS

1. Each orthopedic table must be equipped to perform the following procedures: Direct anterior approach to total hip
2. The table must allow hyperextension, abduction, adduction and external rotation of the hip for femoral component placement
3. Table should include suitable accessories to permit pediatric orthopedic interventions
4. It should be of international standards having European CE and US FDA approval
5. Warranty- 5 years comprehensive warranty of every part of the table, CMC- 5 years including remote control

Table must have the following standard features:

1. Radiolucent table top made up of Carbon Fiber for orthopedic use
2. Radiolucent top for orthopedic use:
 - a) Three or more sectional back plate with two or more detachable shoulder segment.
 - b) Seat plate with detachable buttock support
 - c) Radiolucent Perineal Post- child and adult size
 - d) Detachable divided leg plates
 - e) Should be able to slide by half.
3. Eccentric base and rolls on heavy duty castors for longitudinal and lateral movement
4. Two foldable and detachable carbon fiber traction bars fixed beneath the seat plate with two adjustable pivot joints
5. Accessory side rails for attaching accessories entire length of the table top. Rail should accept standard accessories.
6. Chrome nickel steel base
7. Additional attachment made up of carbon fibre to allow intraoperative fluoroscopy examination in paediatric patients
8. Detachable pads made of foam core, approximately 50mm thick, should be molded and radiolucent
9. All supports for different positions should be included for children separately
10. Table measurements and control panel:
 - a) Table Top height range- 70cm – 120cm
 - b) Trendelenburg/ Reverse Trendelenburg –upto 30 degree
 - c) Lateral Tilt- 15-30 degree
 - d) Motorised back plate up and down-90 degree
 - e) Hand control and Battery control for various table functions.
 - f) Battery capacity for approximately 2 weeks with average use
 - g) Can be operated directly from the mains for all electro hydraulic and Manual override movements
 - h) Patient weight capacity 180kg
 - i) Handset can be connected on either side of the table (head or foot end).
 - j) Length: 210 – 220cm
 - k) Width: 65-70cm

Each table must be provided with the following accessories:

1. Hand operating table
2. Lateral brace kit for total hip replacement
3. Accessory for bilateral hip surgery
4. Body strap
5. Attachments for direct approach for MIS Hip replacement should be made of carbon fibre.
6. Femoral hook for direct anterior approach for MIS Hip replacement
7. Traction bars radiolucent-02
8. Total Knee Flexion and Support System for knee arthroscopy
9. Well Leg Support system
10. Traction boot small pair with multiplanner rotation
11. Traction boot large pair with multiplanner rotation
12. Radiolucent Arm Boards with Pad(2)
13. Beach chair position system with helmet type head rest for position of the patient along with shoulder plates made of carbon fibre.
14. Skull traction and head rest for cervical spine surgery
15. Accessories for genucubital position
16. Accessories for genupectoral position
17. Mayfield attachment for cervical spine
18. Accessories for interlocking nailing of humerus and tibia,
19. Accessories for interlocking nailing for femur in supine position
20. Accessories for Hip arthroscopy including large perineal post and traction system
21. Anaesthesia screen with clamp
22. Silicone Gel pads (One set each) for various patient
 - a) Gel pads as Head ring: open and closed type for both adult and pediatric use separately
 - b) Gel pads for head rest in supine, prone and lateral positions separately for adults and children
 - c) Gel pads as operating table pad, perineal table pad, sacral protector, arm protectors
 - d) Gel pads for flexed knee in positions for spine surgery
 - e) Gel pads thigh, leg, heel
 - f) Gel pads for different positions
23. Cushions (One set each): as foam pads for different positions: Head ring, lateral positioning, leg rest cushion, cushions especially for spine surgery

Schedule no. 2**Cautery Machine with Vessel Sealing**

1. It should be microprocessor controlled.
 1. It should have the facility of Dual application with two separate outlets in Monopolar for hand and foot mode.
 2. It should have progressively / increasing or decreasing HF output power value in 1-watt seps.
 3. There should be two sided neutral electrode plate for patient control system with remote function (PCs) which continually monitors the neutral electrode for proper application.

4. It should have endo mode for all endoscopic work.
 5. The unit should have self testing facility for trouble shooting. Should have LCD display & audible alarm functions.
 6. There should be built in dynamics self adaptive HF Power output control which automatically select the most suitable operating points.
 7. It should have not less than 6 different types of currents for monopolar and bipolar application.
 8. The unit should be more safe for patient through active leakage current limitation.
 9. It should be compatible with argon plasma coagulator system.
 10. It should have automatic HF power cut off by auto coagulation stop.
 11. It should be functional at both hand and foot mode.
 12. It should have vessel sealing forceps for open surgery and laparoscopy surgery.
- all sizes (2 each).
13. Should have bipolar scissor for open surgery and laparoscopy surgery (2 each)
 14. The maximum power of different type outputs should be as:-
 - Cutting Max - 400W at 300 Ohms
 - Cutting Max – 300 W at 300 Ohms
 - Endo Mode Max – 100 W at 200 Ohms
 - Contact Coagulation – Max 250 W at 200 Ohms
 - Spray Coagulation – Max 120 W at 300 Ohms
 15. The unit should be supplied with all the standard accessories such as – Electrode set of 10 Nos. each (Pin point, flat tip-short, flat tip- long blade), Monopolar foot switch, earth pad – 5, bipolar forcep with cord -5, electrode handle with finger switch- 10 and other standard accessories.
 16. The unit should be having quality standard certified by DIN ISO 9001/ EN 46001.
 17. The equipment should be CE 0297 marked for safety standard.
 18. Should have cart system for electro surgery unit with following accessories:-
 - a) 1 power unit
 - b) 3 Power outlet
 - c) 1 handle out of stainless steel
 - d) Foot switch bracket
 - e) 2 Argon cylinder
 - f) Cylinder pad for argon gas cylinder (10 Nos).

Schedule no. 3

Cautery Machine

- a. . It should be microprocessor controlled
- b. Should provide monopolar output for cut, coagulation (fulguration & spray) & blend
- c. Should have bipolar cut and coagulation in multiple levels with automatic bipolar coagulation.
- d. Activation by foot switch and hand switch
- e. Activation of bipolar by foot switch and automatic start/stop system
- f. Auto diagnosis on switching on and during working to continuously monitor all parameters
- g. Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.

- h. Output powers adjustable automatically or manually from the control panel.
- i. Programmable memory for output settings
- j. Simultaneous access to mono and bipolar by 2 or more users
- k. Should be usable with laparoscopic monopolar and bipolar instruments.
- l. System for neutral plate safety by continuous monitoring of contact quality and connection
- m. System for monitoring and control of leakage current
- n. Frequency Leakage on the patient should be less than 10 micro Amp
- o. . The maximum power of different type outputs should be as:-
 - Cutting Max - 400W at 300 Ohms
 - Contact Coagulation – Max 250 W at 200 Ohms
 - Spray Coagulation – Max 120 W at 300 Ohms
- p. The unit should be supplied with all the standard accessories such as – Reusable push button Handpiece – 2 nos, Electrode set of 10 Nos. each (Pin point, flat tip-short, flat tip- long blade), Explosion protective foot switch – 1 no, earth pad – 5, bipolar forcep with cord straight & angled (19.5cm & 22.5cm) -2 nos each.
- q. The unit should be having quality standard certified by DIN ISO 9001/ EN 46001.
- r. The equipment should be European CE/US FDA safety standard.

Schedule no. 4

Suction Machine (High Vacuum)

Specification:-

1. High vacuum suction unit, run on electricity with two section jars of 4-5 liters capacity each.
2. Auto cut of device of preventing entry of fluid in pump.
3. Fast and efficient jar change facility.
4. Easy access and controls
5. It should be heavy duty and noiseless, with piston/cylinder technology.
6. Should be able to create desired maximum vacuum in least possible time, vacuum should be up to –90 K pascal.
7. Light and maneuverable fitted on a mobile trolley.
8. One plastic suction jar cover, steam sterilizable to be provided extra.
9. Two extra suction jar (Plastic) of capacity 4-5 ltrs. Should be quoted along with accessories like lid, tubing etc. with the equipment to make the unit functional.
10. Quantity certification of the product from international/ Indian Agency should be provided.
11. The firm should clearly indicate in the technical bid itself that the prices of all standard accessories are included in the quoted price.
12. The firm will give rate list of all possible spares, accessories & consumables if any, as part of financial bid. If price of any spare is not mentioned & is required for repair in life time of equipment/instrument, then the firm will be obliged to give it free throughout life cycle of the equipment.

Schedule no. 5

Mobile C-arm Image Intensifier

C Arm Specifications

A X-RAY GENERATOR

Frequency : 40 KHz or better

Power output : 2 KW or more

KV range : 40-110 KV or better

mA in radiography : 20mA or more

mA in fluoroscopy : 0.1 to 4 mA or more in normal fluoroscopy and 12 mA or more in High Level Fluro

Should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second)

Should have Digital Spot for high quality single image, 16 mA or more

Housing heat capacity of minimum 700 KHU and cooling rate of more than 12,000 HU/min

B X-Ray tube Head

Must have anode heat capacity of min 70,000 HU & cooling rate of min 35,000 HU/Min

Should have dual focal spots

Collimation : motorized iris and motorized rotating blades

Tube assembly filtration of 3.0 mm Al or higher

C C-Arm mechanism and control panel (digital work station)

Locks for stabilization at desired position

It should have the following range of movements:

Motorized vertical movements more than 400mm

Horizontal travel : 200mm or more

Orbital movement : (-) 30 deg. To (+) 90 Deg. (120 Deg. Or more)

Swing / panning movement : +/- 12 degrees or more

Source image distance : 950 mm or more

Depth of c-arm : 650 mm or more

D Control panel (Digital work station)

It should have the following facilities :

System should have capabilty of Pulse Fluoroscopy option to reduce to radiation exposure with 1,2,4,8 pulse

per second,which should be easily user selectable

Fluoroscopy and Radiography exposure on switching

Image rotation from control panel

Image intensification, mode selection (normal and zoom)

Automatic brightness stabilizer

Auto dose rate control

Collimation for radiography

E Integrated image processing, recording and memory system :

a Image intensifier tube

Input diameter 9" with Triple field (9/6/4)

Minimum central resolution (at monitor) : 2.0 lp/mm or better at 9" FOV

b CCD camera

CCD camera with 1kx1k resolution for high resolution image acquisition

C Integrated image processing, memory and recording system should have

Medical Grade Monitors (Two Nos.)

Min 18 inch or more , black and white, flicker free, high resolution (1280x1024 pixels or better), medical

grade flat screen TFT, automatic and manual control of brightness and contrast, mounted on mobile trolley

with locking device

F Digital image processor

Provision to record multiple images on CD,DVD& USB with embedded DICOM viewer.

Image processing at 1K * 1K Matrix

Contrast enhancement, edge enhancement, zoom facility

Recursive filter for detecting motion

Last image hold

Image rotation, vertical and horizontal reversal

Medical imaging software's with ability to store 70,000 images or more in hard disk

DICOM option

G Additional features

The equipment should work on a Power supply of 220-240 Volts, 50-60 Hz, 15 amp.

Built in UPS to protect & save patient data.

Lead Aprons with all round protection – 04

Lead Aprons with front protection- 06

Thyroid shield - 10

H Regulatory / Safety Requirement

Equipment should have AERB Type Approval Certificate for radiation safety

Equipment should have CE for full product with notified body identification number and US FDA certificate.

Schedule no. 6

Automatic Tourniquet System

Automatic Tourniquet System should be dual-port, dual-cuff system with microprocessor controls and dedicated ports for supplying and measuring pressure independently, so that it can be used for bilateral joint replacement procedure. With the innovative Limb Occlusion Pressure (LOP) feature. The Tourniquet should combine the latest in advanced tourniquet technology with the well-established tradition of safety, reliability, and convenience.

It should have the following Features:-

- Ability to provide a specific Recommended Tourniquet Pressure (RTP) for each patient based on physiological characteristics.
- Limb Occlusion Pressure(LOP) feature,
- Should use ambient air
- Microprocessor Controlled
- Self- check calibration
- Audible and Visual Alarms

- Internal Pump for Fast Inflation Time
- Positive locking connectors
- Should automatically checks the accuracy of machine calibration every time the system is powered up
- Should alert the user of the cuff status when attempt is made to power down the machine
- Cuff Lockout Safety Feature
- Communication should asks the user to confirm a “deflation” command during bilateral procedures to reduce the incidence of clinically significant issues related to “sudden deflation”
- Dual display for each cuff during bilateral surgery.
- Dual compressors to allow for independent control over cuffs “one” and cuff “two”, addressing the potential physiological differences in the patient
- Dedicated pressure line and pressure measurement line for cuff “one” and cuff “two” which should be designed to provide most accurate readings.
- Utilization of two independent cuffs during one surgical procedure to allow bilateral limbs procedures
- Battery backup of 4 hrs, so that it can be used during patient transport and to be used during a power failure. No interruption in the procedure while the cuff is inflated- Automatically transfers power to the battery.
- Should sense, calculate and report the cuff pressure necessary to achieve complete blood occlusion in the operative limb.
- Carrying Handle

Schedule no. 7

Battery Operated Drill / Reamer and saw for joint Replacement

1. Drill and Reamer Hand Piece

Should be single hand piece for both drilling and reaming

Should have dual trigger for forward/ reverse and oscillation mode

Maximum speed of 1500 rpm should have variable speed control on the hand piece

Drill Torque: 30 in lbs or more

Ream Speed: 300 rpm or more

Ream Torque: 140 – 150 in lbs.

Should have DC brush less motor for low maintenance

Should be Sterilizable by Steam Autoclave, ETO and in 10 minutes through a ‘Flash’ autoclave

Should have Tool less mounting of accessories

Should have safety mode on the hand piece

Adaptors for Drill/ Reamer Hand Piece

2. Jacobs Chuck and Key attachment (Drill Attachment)

3. Reamer attachment

4. K wire quick coupling

5. Tripple reamer quick coupling

6. Screw attachment quick coupling.

7. Sagittal Saw Hand Piece

Should have two speed controls with standard and fast mode.

Blade mount should be adjustable to different angles movement adjustable in 8 Steps to 45 Degree.

Should have Dc brush less motor

Should he Sterilizable by Steam Autoclave, ETO and in 10 minutes through a ‘Flash’ autoclave

It should have maximum speed of 10,000 to 12000 CPM

8. Sagittal Saw Blades all sizes & lengths.
9. Reciprocating Saw with blades of all sizes.
10. K Wires trickle attachment
11. Torque limiter
12. ACL Blades: Width 9.5mm, Length- 25.5mm, Cutting Thickness- 0.6mm.
13. Mettal cutting
14. Burs for cement removal and sculpting.

15. Battery (4 nos):

Should have Non Autoclavable Battery with life of 300 charging cycles

Should have autoclavable Housing and Shield

Should have Nickel Cadmium autoclavable Standard and Small Battery

16. Battery Charger

220 volts charger

Should have capability to identify the worn out battery

Should charge four batteries at a time

Should have an indicator to provide battery status for charging

Schedule no. 8

General Orthopaedic Instruments – Set No. 1

Specifications: Instrument Set containing following items made of good quality stainless steel

S. No.	DESCRIPTION	QTY
1.	Langenback Retractors – 10 each of following	20
i.	Mini Langenback Retractor 10mm X 6mm	
ii.	Mini Langenback Retractor 22mm X 8mm	
iii.	Kocher Langenback Retractor 40 X 11mm X 21cm	
iv.	Langenback Retractor 30 X 11	
2.	Hohmann's Retractors	30
i.	8mm Blade	
ii.	10mm Blade	
iii.	17mm Blade	
iv.	43mm Blade	
v.	13/25mm Blade	
	6 Nos. Each	
3.	Hip Retractor set with quadrilateral frame and six spare blades	2
4.	Jacob's drill (open type/closed type)	30
5.	BP knife handles	
	No 3 size	20
	No 4 size	20
	No 5 size	20
6.	Bone levers	
	Small size	20
	Medium size	20
	Large size	20
7.	Hammer	12
i.	Collin Mallet	

ii.	Gerzog Mallet 10 Nos.	
iii.	Nylon Faced Hammer 20 Nos.	
8.	Bone Holding Reduction Forceps with locking device	
	Small for forearm bones	6 pairs
	Medium	6 pairs
	Large for leg bones	6 pairs
9.	Bone Holding Forceps	
	Lane's- Small, Medium, Large size 6 each	18
	Ferguson's- Small, Medium, Large size 6 each	18
	Hey Grove's- Small, Medium, Large size 6 each	18
	Burn's – Small, Medium, Large size 6 each	18
10.	Bone forceps with Wire Passer (two blunt blades with hole for Passing K wire to fix phalanx fractures)	10
11.	Bone Reduction forceps with radiolucent attachment to pass Wire to fix the fractures	20
12.	Forearm clamps with provision for passing plates without Removing the clamp	20
13.	Wire holding forceps	20
14.	Wire holding pliers	
	Small	10
	Large	10
15.	Wire bending pliers – 5 each of blunt tip and sharp tip	10
16.	Wire tensioner	20
17.	Wire passer	20
18.	Bending Irons for 3.5 mm plates	20
19.	Bending Irons for 4.5 mm plates	20
20.	Bending Irons for reconstruction plates	20
21.	K Wire Traction Set Complete	10 Sets
	a) Each set should contain	
	i. Kirschner Stirrup for wire extension- 5 Nos.	
	ii. K – Wire double ended 200mm - 50 Nos.	
	b) Each Set Should Contain	
	i. Gissane Stirrup for wire extension – 5 Nos.	
	ii. K- Wire double ended 200mm - 50 Nos.	
22.	Bohler's Stirrups of Assorted Sizes	200
23.	Bernhard Towel Forceps 6 ½	100
	Backhaus Towel Forceps 5"	100
24.	Sims Maier Sponge Holding 11"	50
25.	Probe Nelaton 16cm	10
26.	Skin Hooks	20
	Gillies of size 1 & 3 – 10	
27.	Amputation Saw (Charriere Type)	10
28.	Bone Curette	
	i. Volkman All Size	5 Each
	ii. Maartini Currettes All Size	5 Each
29.	Patella Holding Forceps, 4 prong/3 prong	4 each
30.	Pointed reduction Clamp(AO type, small, medium,large)	6 pairs each
31.	AO type self centric Forceps, (AO type, small, medium,large)	6 pairs each
32.	Low Man clamp, small, medium, large	4 nos each

N.B. Only Complete set should be quoted and sample to be produced for evaluation

General Orthopaedic Instruments – Set No.2

Following Instruments made good quality stainless steel with long lasting cutting edge Specifications

S.NO.	DESCRIPTION	QTY.
1.	Depth Gauge for miniscrews	
	1.5mm to 2 mm screw	5
	2.0mm to 2.5mm screw	5
	2.7mm to 4.0mm screw	5
	4.5mm screw	5
2.	Tap Sleeve for	
	4.5mm tap	10
	3.5mm tap	10
3.	Drill Sleeve for	
	3.2mm drill bit	10
	2.5mm drill bit	10
4.	Autoclavable storage box for AO screws	5
5.	Autoclavable storage box with trays for AO plating instrument set	5
6.	A.O. type damaged screw removal set	2
7	Small Fragment Plating Instrument with Implant Set Complete	4 Sets
	Should consist of the following:	
i.	Small Fragment instrument set (3.5mm) in autoclavable box	1 No.
ii.	Small screw box	
	Contain the box:	
	Cortical screw 3.5 mm	
	10mm	10 unit
	12mm	12 unit
	14mm to 40mm	18 units each
	Cancellous Screws 4 mm	
	10mm to 50mm	5 units each
	Screw holding forceps	1
	Storage and sterilization case with tray	1 No.
iii.	Box Containing Small Plates.	
	D.C. Plates Small 4 hole	4 No.
	D.C. Plates Small 5 hole	8 No.
	D.C. Plates Small 6 hole	12 No.
	D.C. Plates Small 7 hole	8 No.
	D.C. Plates Small 8 hole	5 No.
	Storage and Sterilization Box	1 No.
2.	Instruments and Implants for Narrow and Broad Dynamic Compression Plating.	Sets
	Should Consist of the following	
	i. Basic Instrument set for 4.5mm Plating	1 No.
	Storage and autoclave box for above	1 No.
	ii. Screws Box Containing the following	
	Cortical Screws 4.5mm 14mm to 28mm	8 No. Each
	Cortical Screws 4.5mm 30mm	16 No. Each
	Cortical Screws 4.5mm 32mm	14 No. Each
	Cortical Screws 4.5mm 34 to 40mm	12 No. Each
	Cortical Screws 4.5mm 42mm & 44mm	6 No. Each
	Cortical Screws 4.5mm 46mm & 48mm	9 Nos. Each
	Cortical Screws 4.5mm 50mm to 60mm	2 No. Each

Concellous Screws 6.5mm 32mm Thread

40mm to 50mm 4 No. Each

55 to 65mm 3 No. Each

70 to 95mm 2 Nos. Each

Cancellous Screws 6.5mm 16mm Thread

30&35mm 4 No. Each

40mm to 50mm 6 No. Each

55mm to 65mm 2 No. Each

70mm & 75mm 3 Nos. Each

80mm to 95mm 2 Nos. Each

Malleolar Screws 4.5mm

25mm to 75mm 2 Nos. Each

Storage & Sterilization Box 1 No.

iii. Dynamic Compression Plates

Narrow 4 hole to 8 hole 2 Nos. Each

9 hole to 12 hole 1 No Each

Broad 5 hole to 8 hole 2 Nos. Each

9 hole to 14 holes 4 Nos. Each

9. Wiring Instrument Set

Should consist of the following:

Wire Tightner With Pegs

Wire Passer With Synthetic Handle

Double Action Wire Cutter Large

Wire Bending Pliers Multipurpose

Flat Nosed Parallel Pliers Large With Side Cutter

Wire Holder

Forceps For Holding Cercilage Wire

Box For Wire Instrument Set

10. Femoral Nail Extractor Set

2

11. Long handled Bone curette

- Non serrated edge

10

- Serrated edge

10

12. Gigli Saw Instrument set

5

Each set should contain

I. Gigli Saw Handle 1 pair

II. Gigli Saw Wires 100 Nos.

13. Patella reduction clamp

10

14. Patella wire passer

4

15. Ring Cutter

10

N.B. Only Complete set should be quoted and Sample to be produced for evaluation

General Orthopaedic Instruments – Set No.3

Specification: Following items manufactured to international standards by reputed multinational firms

S. No.	DESCRIPTION	QTY.
1.	Bone Rongeur – Double Action	

	Small Size 18 cm	10
	Medium Size 23 cm	10
	Large Size 27cm	10
	Sergent Bone Rongeur	4
	Duckbill Bone Rongeur	4
	Lacksell Bone Rongeur	4
2.	Bone cutter – Double Action straight & curved	
	Small Size 18cm	10
	Medium Size 23 cm	10
	Large Size 27cm,	10
	Tudur Edward	4
3.	K- Wire Cutter (Capacity 4 mm) with replaceable tungsten carbide	
	Blades with rubber Jaws Set	10 Sets.
	Should consist of:	
I.	K- wire cutter 28cm	
II.	Spare Blades 4 pairs with Screws	
III.	Spare Rubber Jaws 4 Pairs with Screws	
IV.	Allen keys 4 sets	
4.	Stienmann Pin Cutter cutting capacity up to 6mm	10
5.	Bone Curette Double Ended Round/Oval	
	Small 13 cm	20
	Medium 16 cm	20
	Large 20cm	20
6.	Loute wire tightener cum wire cutter	10
7.	Wire Bending cum cutter plier length 15 cm	10
8.	Osteotomes, straight with tufnol handle, 10 each of sizes 7,10,15,20 mm width	40
9.	Osteotomes, curved with tufnol handle, 10 each of sizes 7,10,15,20 mm width	40
10	Osteotomes, straight with tufnol handle, 10 each of sizes 4,6,8,10,12 mm	50
11.	Chisel Straight with tufnol handle 10 of each sizes 7,10,15,20 mm	40
13.	Retractors	
	Wullstein-Weitlaner Self-Retaining Retractor 3 X 3 Teeth Blunt Length 13 Cm	20
	Weitlaner Self-Retaining Retractor 3 X 4 Teeth Blunt Length 163 Cm	20
	Weitlaner Self-Retaining Retractor 3 X 4 Teeth Blunt Length 26 Cm	20
	Adson Self-Retaining Retractor 3 X 4 Teeth Blunt Length 26 Cm	20
	Gelpi Self-Retaining Retractor With Balls, Blunt Length 18 Cm	20
14.	Elevators	
	Farabeuf Periosteal Elevator, Straight 13 Mm Length 15 Cm	20
	Farabeuf Periosteal Elevator, Curved 13 Mm Length 15 Cm	20
	Lambotte Periosteal Raspatory And Elevator, Curved 10mm Length 21 Cm	20
	Mc Donald Elevator Double Ended Curved 6/6 Length 19 Cm	15
	Cobbs Elevator Medium 13mm With Long Handle	10
	Cobbs Elevator Large 19mm With Long Handle	10
	Bristows	10
15.	Bolt Cutter	
	Bolt Cutter Maximum Capacity Dia 6mm Length 56 cm	10

16.	Lead Hands Lead Hands for Adults	10
17.	Jacobs Chuck With Handle Jacobs Drill Three Jaw Chuck With Key, Max Dia 6.35mm Length 14 Cm	30
18.	Awls With T-Handle Length 14 Cm With Round Handle Length 14 Cm	20 20
19.	Skin Grafting Handle With Blades	20

N.B. Only Complete set should be quoted and Sample to be produced for evaluation

General Orthopaedic instruments - Set No.4

Specifications: Following items manufactured to international standards
(equivalent to AO Specification) by reputed multinational firms)

S.No.	DESCRIPTION	QTY.
1.	DHS/DCS Triple Reamer	2
2.	Quick coupling for DHS, DCS triple reamer	2
3.	Key for Jacob's reamer chuck AO 510.190	10
4.	Seating chisel for condylar blade plate	2
5.	Router for quick coupling for condylar blade plate	2
6.	Screw driver for 3.5 mm screws	10
7.	Screw driver for 4.5 mm screws	10
8.	Templates for 3.5 mm DCP plates	10
9.	Templates for 4.5 nun DCP plates	10
10.	Bending Plier for 3.5mm plates	4
11.	Bending Press for 4.5mm Plates	4
12.	Tap for DHS Lag Screw	1

N.B. Only Complete set should be quoted and Sample to be produced for evaluation

General Orthopaedic Instruments - Set No. 5

The following instruments are made of good quality of stainless steel

S. No.	DESCRIPTION	QTY.
1.	Hemireplacement Instrument Set Complete With trial A.M. Prosthesis one each of sizes From 39mm to 54mm	5 sets
2.	Ilizarov Instrument Set Complete Each set should contain:	10 sets
i.	Half Rings 140,160,180,00 & 220	10 Nos. Each
ii.	5/8 Rings as above	1 Each
iii.	Wire Fixation Bolt Cannulated	200

iv.	Wire Fixation Bolt Slotted	200
v.	Connection Bolts	100
vi.	Nuts	500
vii.	Threaded Rod 100mm 125,150,200,50,300	10Nos. Each
viii.	Male Post & Female Posts 2,3 & 4 hole:	10 Nos. Each
ix.	Washers	200
x.	Twisted Plates 2,3,4 hole:	10 Nos. Each
xi.	K-Wires 1.8mm with trocar.	100
xii.	K-wires 1.8mm with Bayonet	100

3. External Fixator Instrument Set Complete
Each Set Should Contain

i.	Universal Clamps for Tibia and Femur	100 No.	10 sets
ii.	Tubular Rod assorted size 20,30 cm	10 Nos. Each	
iii.	Schanz Pin 4.5 & 5mm	100	
iv.	Tranverse Clamps	10 Nos	
v.	Tube to Tube Clamp	10 Nos	
vi.	Delta Clamps	10 Nos	
vii.	Mini Clamp 2.5mm	50	
viii.	Mini Clamp 3.5mm	50	
ix.	Schanz Pin 2.5mm	50	
x.	Schanz Pin 3.5mm	50	
xi.	Connecting Rods 15cm	5	
xii.	Connection Rods 20cm	5	
xiii.	Spanner Stainless Steel 11mm	5	
xiv.	Spanner Stainless Steel 8mm	5	

1. Skull Traction Instrument Set Complete
Each Set Should Contain

i.	Crutchfield Tong	25 Nos	10sets
ii.	Bur	1 No	

2. Staple Inserter, Extractor Set Complete
With 50 Assorted Sizes Stapleg

4

3. Manual Plaster Removal Set Complete
Each Set Should Contain

i.	Cast Spreader Beeson 30cm	1No.	10 sets
ii.	Model U.S.A.	1No.	
iii.	Engle Plaster Swa	5Nos	
iv.	Stille Plaster Shear 37 cm	1No	

4. Manual Tourniquet Set

5 sets

Should Consist of Following

i.	Pump	1 No
ii.	Pressure regulator	1No
iii.	Small, Medium & large Sizes of Cuffs	(2 Each)

N.B. Only Complete set should be quoted and Sample to be produced for evaluation

General Orthopaedic Instruments - Set No.6

Specifications: Following items manufactured to international standards by reputed multinational firms

GENERAL INSTRUMENTS FOR ORTHOPAEDIC SURGERY (LONG LASTING IMPORTED)

S.No	Specifications
1	Qty. SCISSORS STANDARD SURGICAL SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 13 CM 10 STANDARD SURGICAL SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 18.5 CM 10 STANDARD SURGICAL SCISSOR BLUNT/BLUNT, CURVED LENGTH 13 CM 10 STANDARD SURGICAL SCISSOR BLUNT/BLUNT, CURVED LENGTH 18.5 CM 10 STANDARD SURGICAL SCISSOR SHARP/BLUNT STRAIGHT LENGTH 13 CM 10 STANDARD SURGICAL SCISSOR SHARP/BLUNT STRAIGHT LENGTH 18.5 CM 10 STANDARD SURGICAL SCISSOR SHARP/BLUNT, CURVED LENGTH 13 CM 10 STANDARD SURGICAL SCISSOR SHARP/BLUNT, CURVED LENGTH 18.5 CM 10 MAYO DISSECTING SCISSOR STRAIGHT LENGTH 14.5 CM 10 MAYO DISSECTING SCISSOR STRAIGHT LENGTH 20 CM 10 MAYO DISSECTING SCISSOR CURVED LENGTH 14.5 CM 10 MAYO DISSECTING SCISSOR CURVED LENGTH 20 CM 10 METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 18 CM 10 METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 25 CM 10 METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 18 CM 10 METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 25 CM 10 BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 12 CM 10 BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 12 CM 10 LISTER BANDAGE AND PLASTER SHEAR SCISSOR LENGTH 20 CM 10 BERGMANN BANDAGE AND PLASTER SHEAR. SCISSOR LENGTH 23 CM 10 IRIS SCISSORS 11.5 CM STRAIGHT 10 IRIS SCISSORS 11.5 CM CURVED 10

2. FORCEPS

USA STANDARD DRESSING FORCEPS LENGTH 14.5 CM

10

USA STANDARD DRESSING FORCEPS LENGTH 20 CM

10

ADSON DRESSING FORCEPS LENGTH 12 CM

10

ADSON DRESSING FORCEPS LENGTH 15 CM

10

TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 17.5 CM

10

TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 18.5 CM

10

BROPHY DRESSING FORCEPS STRAIGHT LENGTH 20 CM

10

STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 14.5 CM

10

STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 20 CM

10

STANDARD TISSUE FORCEPS 1 X 2 TEETH MEDIUM WIDE LENGTH 14.5 CM

10

STANDARD TISSUE FORCEPS 1 X 2 TEETH MEDIUM WIDE LENGTH 20 CM

10

STANDARD TISSUE FORCEPS FINE 1 X2 TEETH LENGTH 14.5 CM

10

STANDARD TISSUE FORCEPS FINE 1 X 2 TEETH LENGTH 20 CM

10

USA STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 14.5 CM

10

USA STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 20 CM

10

DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 16 CM

10

DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 20 CM

10

DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 16 CM

10

DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 20 CM

10

HALSTEAD - MOSQUITO FORCEPS STRAIGHT LENGTH 14 CM

100

HALSTEAD - MOSQUITO FORCEPS CURVED LENGTH 14 CM

100

HALSTEAD FORCEPS STRAIGHT LENGTH 21 CM

100

HALSTEAD FORCEPS CURVED LENGTH 21 CM

100

RANKIN - KELLY FORCEPS STRAIGHT LENGTH 16 CM

100

RANKIN - KELLY FORCEPS CURVED LENGTH 16 CM

100

NEGUS FORCEPS CURVED LENGTH 19 CM

100

KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH STRAIGHT LENGTH 18 CM
50
KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH STRAIGHT LENGTH 20 CM
50
KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH CURVED LENGTH 18 CM
50
KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH CURVED LENGTH 20 CM
50

1. NEEDLE HOLDERS

CRILE-WOOD NEEDLE HOLDER SERRATED P04, LENGTH 15 CM
20
CRILE-WOOD NEEDLE HOLDER SERRATED P04, LENGTH 20 CM
20
STRATTE NEEDLE HOLDER SERRATED P05, LENGTH 23 CM
20

N.B. Only Complete set should be quoted and Sample to be produced for evaluation

Schedule no. 9

PLASTER CUTTING SAW

SPECIFICATIONS:

- (i) Heavy duty, Light weight with aspirator.
- (ii) Ball Bearing mounted, well ventilated motor for use on A.C. or D.C. supplies, with switch housed in a shockproof, insulated casing, Having input wattage of 90W.
- (iii) Saw Handpiece should be of light weight, with Gears Permanently Lubricated insulated from motor.
- (iv) With Blades to Cut normal and Synthetic Plasters.
- (v) Spare Blades -10

Schedule no. 10

Specifications for Arthroscopy System

- Bidder will be responsible for installation and commissioning of Complete high definition arthroscopy system in modular theatres.
- System has to be supplied with boom and stands required for integration of high definition arthroscopy system with modular theatres.
- Arthroscopy Set complete with high definition camera, HD monitor 19" Scope, General Instruments, Shaver System, ACL Reconstruction Set, Arthroscopy Pump System
- Arthroscopic shoulder surgery set and arthroscopic ankle surgery set Imaging System

High Definition Camera System

1. Camera console 220 v with universal coupler & Autoclavable camera head
2. Pure Digital signal with high definition video (1280*1024 native resolution)
3. Resolution-2000 horizontal lines

4. 8 specialty settings
5. Integrated Flexible Scope filter
6. Signal to Noise ratio-70 db
7. Progressive scan technology both on camera head & console
8. Brightness Control on console & camera head
9. Aperture Control on console
10. Inbuilt 16 step digital Image Enhancer on console
11. Digital zoom & white balance on camera head
12. Integrated Gain/shutter/Enhancement with brightness control
13. Two peripheral control on camera head

Xenon Light Source

- Light Source xenon, 300 watts lamp,
- Color temperature 6000 k,
- Universal jaw for accepting any make fiber optic cable adjustable light intensity from 0 to 100 percent;
- One spare xenon lamp, 300 watt.
- Fiber Optic Cable

High Definition Monitor 19"

- High Definition monitor, screen 19", resolution 1280 x 1024 DVI input.
- Option for wall mounting and desktop in same unit.

Accessories for integration of system in Modular Operation Theatres.

Arthroscope Set

- HD Telescope 4mm, 30 Deg Dual connect Arthroscope Sheath 5.9mm. Obturator for sheath Hook Probe
- Straight Punch, Cutting Width 15 Deg Upbiter 30 Deg Left Cutting 30 Deg Right
- Cutting 90 Deg Left Cutting 90 Deg Right Cutting Foreign Body Grasper With lock.

Shaver System

- Electronic Control Unit
- Foot Control
- Handpiece Autoclavable RPM 12000
- Microdriver with drilling, wiring and micro saw attachment
- Full radius resector
- End cutter
- Aggressive Cutter.
- Meniscus Cutter
- Oval Burr

ACL Reconstruction Set

- Tendon Stripper- open ended and closed, all sizes
- Thickness Tester
- Tibial Guide
- Femoral Offset Guide 4, 5, 6, 7 mm
- Reamers 4,5,6,7,8,9, 10
- Length Gauge for measuring the tunnel
- Reaming Wire
- Curette
- Rasp

Graft Preparation board specifications

- Graft board with gliding sliders for easy and single handed operations
- Suitable for single bundle, double bundled and bone tendon bone BTB repairs
- Compatible with endobutton type fixation devices
- Built in seizers for the graft (both soft tissue and bone)
- Provisions for specific graft tensions
- Graft clamp teeth for securing graft for tensioning during preparations

Arthroscopic Pump System With Tubing

- Pole mount/ stand alone console with autoclavable remote control
- Maximum flow rate of 2000ml/minute with maximum pressure upto 150mmHg
- Arthroscopic Inflow/Outflow tubing set

High Definition Recording System

- Real time, MPEG 2 HD, 1 or 2 compression engine with full IBP encoding
- Video inputs minimum 2 nos. S-Video, 2 nos. Composite, 1 XGA (1024 X 768) and 1 High-Definition (1280 X 1024).
- Video outputs S-Video, Composite, DVI & XGA (1024 X 768, 1280 X 1024, and 1600 X 1200)
- Capable of Progressive scan image capture: Analog (640 x 480), Hi-Res (1024 X 768), and Hi-Def (1280 X 1024)
- Stereo audio Input.
- Disc Capacity of 500GB
- Touch screen (min 10”) control panel interface
- Multi session disc recording capability Supports file formats for Images: Bitmap (BMP), JPEG, JPEG2K.

Modular Cart

- front-locking casters
- lipped top holds monitor
- four equipment shelves
- open back for equipment access

Schedule no. 11**PNEUMATIC DRILL SYSTEM**

Double Air Hose, L 5m,	1
Adaptor for Oiling	2
Seal Nipple for Air Drive	1
Pressure Regulator – Advanced	1
Attachments	
Drill chuck with Mini Quick Coupling	1
Angular Drive Unit for Medullary Reaming	1
Oscillating Drill Attachment	1
Jacob's Chuck with Key	1
Drill chuck Keyless	1

AO/ASIF Quick Coupling	1
Quick Coupling for DHS/DCS Triple Reamers	1
Attachment for Acetabular & Medullary Reaming - Reverse possible	1
Quick Coupling for Kirschner Wires, 0.6mm - 3.2mm dia.	1
Oscillating Saw Attachment with variable Angle with Key	1
Oscillating Saw Attachment II with Quick Coupling	1
Reciprocating Saw Attachment	1
Top for Sternum for Reciprocating Saw Attachment	Choose
Saw Blade for Reciprocating Saw for Top for Sternum	Together
Radiolucent Drive -	1
Drill Bits for Radiolucent Drive	
Drill Bit, 2.0mm dia., L 148/122mm, 3-flute	1
Drill Bit, 2.5mm dia., L 148/122mm, 3-flute	1
Drill Bit, 2.7mm dia., L 148/122mm, with centering tip, 3-flute	1
Drill Bit, 3.2mm dia., L 148/122mm, with centering tip, 3-flute	1
Drill Bit, 3.5mm dia., L 148/122mm, with centering tip, 3-flute	1
Drill Bit ϕ 3.6 w/center-tip L148/122 3fl	1
Drill Bit ϕ 4 w/center-tip L148/122 3flut	1
Drill Bit ϕ 4.5 w/center-tip L148/122 3fl	1
Drill Bit, 3.2mm dia., L 106/80mm, with centering tip, 3-flute	1
Drill Bit ϕ 4 w/center-tip L106/80 3flute	1
Standard Saw Blades for general traumatology	
Saw Blade 70/49 x 27 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 46/25 x 10 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 70/49 x 10 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 70/49 x 20 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 18 x 1.0/0.8 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 18 x 1.2/1.0 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 70/49 x 14 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 27 x 0.8/0.6 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 50 x 0.8/0.6 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 27 x 1.0/0.8 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 90/69 x 27 x 1.2/1.0 mm, for Oscillating Saw with AO/ASIF Coupling	1
Saw Blade 46/25 x 6.0 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF	1

Coupling	
Saw Blade 46/25 x 14 x 0.6/0.4 mm, for Oscillating Saw with AO/ASIF Coupling	1
Aggressive Special Saw Blades for total joint replacement surgery	
Saw Blade 111/90 x 12.5 x 0.89 mm, for Oscillating Saw	1
Saw Blade 111/90 x 12.5 x 1.19 mm, for Oscillating Saw	1
Saw Blade 111/90 x 12.5 x 1.27 mm, for Oscillating Saw	1
Saw Blade 111/90 x 12.5 x 1.37 mm, for Oscillating Saw	1
Saw Blade 111/90 x 12.5 x 1.47 mm, for Oscillating Saw	1
Saw Blade 112/91*12.5*0.9/0.8 AO/ASIF-Co	1
Saw Blade 111/90 x 19 - 12.5 x 0.89 mm, for Oscillating Saw	1
Saw Blade 111/90 x 19 - 12.5 x 1.19 mm, for Oscillating Saw	1
Saw Blade 111/90 x 19 - 12.5 x 1.27 mm, for Oscillating Saw	1
Saw Blade 111/90 x 19 - 12.5 x 1.37 mm, for Oscillating Saw	1
Saw Blade 111/90 x 19 - 12.5 x 1.47 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 0.89 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 0.90 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.19 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.25 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.27 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.37 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.40 mm, for Oscillating Saw	1
Saw Blade 116/95 x 19 x 1.47 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 0.89 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 0.90 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.19 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.25 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.27 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.37 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.40 mm, for Oscillating Saw	1
Saw Blade 116/95 x 25 x 1.47 mm, for Oscillating Saw	1
Saw Blade 106/85 x 25 x 1.47 mm, for Oscillating Saw	1
Saw Blade 81/60 x 25 x 0.89 mm, for Oscillating Saw	1
Saw Blade 81/60 x 25 x 0.9 mm, for Oscillating Saw	1
Reciprocating Saw Blades	
Saw Blade for Reciprocating Saw, 80 x 1.05 mm	1
Saw Blade for Reciprocating Saw, 55 x 1.05 mm	1
Saw Blade for Reciprocating Saw, 55 x 0.85 mm	1
Saw Blade for Reciprocating Saw, 68 x 1.1 mm, toothed on both sides	1
Vario Case	
VC f/CompAir Drive w/o Lid w/o Cont	1
Lid Stainless Steel size1/1 f/VC	1

Schedule no. 12**Orthopaedic Bed with Balkan Frame with traction attachment**

Should have the following specifications:

- Should have simple design, light weight & sturdy construction
- Should have three - sectional base
- Should have X-ray translucent back section made of high pressure laminate for X-ray & ease of clearing / disinfection
- Should have stepless hydraulic Height adjustment through the use of a foot pedal
- Should have the adjustment of the back section with the aid of a gas spring and should also have a patient operated lever enabling the patient to adjust the back section
- When the back section is raised the leg section should also rise slightly to prevent the patient from sliding
- Should be equipped with a foot pedal for hydraulic adjustment of back section
- Should have stepless pneumatic adjustment for trendelenburg and reverse trendelenburg.
- Should have pneumatic stepless leg - section adjustment
- Should be convertible to chair position
- Frame of the bed should move with mattress base when foot section/ back section is adjusted
- The bed ends should be easily detachable and reattachable along the entire length of the foot section according to the patient need
- Should have place to fix IV - rod to all four corners of the bed
- Should have large castors with central braking system with an easy to reach foot-operated control lever.
- Bed should be C.E. marked & manufactured as per ISO 9001b Quality Standards
- Should have stepless adjustment for the following
- Height : Min. 425 mm or less
: Max 800 mm more
- Back section : Up to 65° or better
: Down up to 5° or more
- Leg Section : 0° to 40° or more
- Trendelenburg : 25° or more
- Anti – trendelenburg : 14° or more
- Dimensions of bed
- Length : 2100 mm or more
- Width : 940 mm or more
- Mattress Size : 850 X 2000 X 100 mm
- Max load bearing capacity : 220 Kg or better
- Each bed should be supplied complete with:
 - Bed Ends, one pair
 - Collapsible side rails, one pair
 - IV - Rods, one pair
 - X-ray translucent Mattress min. 10 cm thick, one pc
 - Balkan Beams & attachments

Schedule no. 13**Operation Table: Electro
hydraulic****1 Description of Function**

- 1.1 Electro Hydraulic operating Tables are tables for performing surgical procedures and it works with electrical power.

2 Operational Requirements

- 2.1 OT Table is required for general surgery and should have X-Ray translucent tops.

3 Technical Specifications

- 3.1 The operation table should have the following features:-
- a. Four / Five section table top with divided foot section.
 - b. Table top should permit x-ray penetration and fluoroscopy with full length X-ray cassette tunnel accessible from either end.
 - c. Should have a handset for various functions.
 - d. There should be inbuilt standby control enabling full use of table in case of handset failure.
 - e. All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, should be operated electro-hydraulically through handset and standby control.
 - f. The table top can be moved cranially and caudally on its base.
 - g. The casings on the frame and centre supporting column should be made of hygienic stainless steel.
 - h. Mattress should be radiolucent and suitable for fluoroscopy.
 - i. Table should have mobile base with lockable castors.
 - j. Should have built in kidney bridge.
- 3.2 **Measurements (Approx):**
- a. Height: 650-1100mm
 - b. Side tilt: +/-20degrees
 - c. Back section adjustment: - 40 degrees to 80 degrees
 - d. Foot section adjustment: - 90 to 0 degree, detachable
 - e. Trendelenburg: 30 degree
 - f. Anti trendelenburg: 30 degree
 - g. Head section adjustment: +/- 45 degree, detachable
 - h. Width: 550 mm or better
 - i. Length: 2000 mm or better
 - j. Cranial and caudal traversing 200 – 300 mm
 - k. Maximum patient weight – 250 Kg or more

4 System Configuration Accessories, spares and consumables

- 4.1 System as specified
- 4.2 All accessories including the following should be quoted. The specific accessories and their quantity will be decided on the basis of actual requirement:-
- a. Padded arm rest with straps - pair with dampers
 - b. Anesthesia screen with clamps
 - c. Side supports: pair with clamps
 - d. Shoulder supports: pair with clamps

- e. Knee crutches: pair with dampers
- f. X-ray cassette tray with pushing rod
- g. Accessories for operating ion prone position
- h. Optional accessories for endourology work

5 Environmental factors

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

6 Power Supply

- 6.1 Power input :220-240V/ 50 Hz AC Single phase fitted with appropriate Indian plugs and sockets.
- 6.2 Inbuilt battery backup for 5 hrs.

7 Standards & Safety

- 7.1 Should be US-FDA or European CE approved model
- 7.2 Manufacturer should be ISO certified for quality standards.
- 7.3 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
- 7.4 Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
- 7.5 Certified to be compliant with IEC 60601-2-46 : Particular requirements for the safety of Operating Tables: latest edition or equivalent

8 Training

- 8.1 Comprehensive training for staff of user department and support services till familiarity with the system.

9 Warranty & Service

- 9.1 Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.
- 9.2 Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.
- 9.3 After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier

10 .Documentation

- 10.1 Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable
- 10.2 Statement of compliance with tender specifications with clear and unambiguous links to relevant

	portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature.
10.3	Certificate of compliance with standards and approvals stated above
10.4	Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier
10.5	List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
10.6	List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.
10.7	Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out
10.8	Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.
10.9	List of users of quoted equipment with performance certificate from major institutions

Schedule no. 14

Operation Table: Hydraulic

1 Description of Function

- 1.1 Hydraulic operating Tables are simple tables for performing surgical procedures and they work without electrical power.

2 Operational Requirements

- 2.1 OT Table is required for general surgery and should have X-Ray translucent tops.

3 Technical Specifications

- 3.1
- a. Four/five section table top with divided foot section
 - b. Table top should permit x-ray penetration and fluoroscopy
 - c. All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section should be operated hydraulically
 - d. Should have a manual position selector
 - e. The casings on the frame and centre supporting column should be made of hygienic stainless steel
 - f. Mattress should be radioluscent and suitable for fluoroscopy
- 3.2 Measurements:(approximate)
- a. Height: 730-1040 mm
 - b. Side tilt: + 15-20 degrees

- c. Back section adjustment: - 15 degrees to 70 degrees
- d. Foot section adjustment: - 90 to 0 degree, detachable
- e. Trendelenburg: 25-30 degree
- f. Anti trendelenburg: 25-30 degree
- g. Head section adjustment: -40 to -30 degree, detachable
- h. Width: 550 mm
- i. Length: 2000 mm

4 System Configuration Accessories, spares and consumables

- 4.1 System as specified
- 4.2 ACCESSORIES: All accessories including the ones listed below should be quoted. The specific accessories and their quantity will depend upon actual requirement
 - a. Padded arm rest with straps - pair with clamps
 - b. Anaesthesia screen with clamps
 - c. Side supports: pair with clamps
 - d. Shoulder supports: pair with clamps
 - e. Knee crutches for lithotomy position: pair with clamps
 - f. X-ray cassette tray
 - g. Kidney bridge
 - h. Patient Restraint Strap
 - i. Accessories for operating in prone position
 - j. Optional accessories for endourology work

5 Environmental factors

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

6 Standards & Safety

- 6.1 Should be FDA/ CE or BIS approved product
- 6.2 Manufacturer and supplier should be ISO certified for quality standards.
- 6.3 International Safety standards like IEC 60601-2-46 or equivalent if applicable

7 Training

- 7.1 Comprehensive training for staff of user department and support services till familiarity with the system.

8 Warranty & Service

- 8.1 Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.
- 8.2 Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.

- | | |
|-----|---|
| 8.3 | After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier |
|-----|---|

9 Documentation

- | | |
|------|--|
| 10.1 | Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable |
| 10.2 | Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature. |
| 10.3 | Certificate of compliance with standards and approvals stated above |
| 10.4 | Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier |
| 10.5 | List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual. |
| 10.6 | List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing. |
| 10.7 | Deleted |
| 10.8 | Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book. |
| 10.9 | List of users of quoted equipment with performance certificate from major institutions |

Schedule no. 15

Laparoscopic Surgery Set with High Definition Camera

	1 Description of Function	QTY.
1.1	Laparoscope is used for minimally invasive surgery and comprises of telescope and associated instruments and units.	
2 Operational Requirements		
2.1	The set for Laparoscopic surgery should have units/groups of items/components as given below, which should be quoted individually. They could be offered bundled in a comprehensive system or separately for each individual group, which should be adaptable with all major international brands.	

3 Technical Specifications**One(1)****3.1 CAMERA CONTROL UNIT & CAMERA**

High definition Endoscopic camera system should have following features:

- a) Pure Digital HD technology with high definition video of 1920 x 1080p (min) native resolution
- b) Progressive scan technology both on camera head and console
- c) Consistent use of 16:9 format for input and output for HDTV function.
- d) CCD chip having hi-fidelity image transmission
- e) The system should have Digital Zoom to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used.
- f) System should be able to optimize all the settings and should be ready as soon as connected to camera control unit with automatic brightness control.
- g) Camera control unit should be compatible with all camera heads i.e., Single Chip or Three Chip
- h) Should be compatible for remote controlled operation of various features

Technical Specifications :-

- a) Image Sensor 3 x 1/3 Progressive scan CCD Chip
- b) Pixels 1920 X 1080 pixels per chip (min)
- c) AGC Microprocessor controlled
- d) Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D socket, HDTV-DVI-D, DV for recording
- e) Input Key Board for Character Generator, 5 pole DIN Socket
- f) Camera settings (e.g. white balance, zoom, gain, sharpness etc.) should be possible directly from the camera head buttons.

3.2 MONITOR

One Wide Screen Monitor having the following features:

- a) HDTV Display in 16: 10 HDTV format.
- b) 26" Medical grade Full HD, LED Crystal display
- c) Resolution: More than 1100 lines and 1920 x 1200 pixels
- d) SDI/HD-SDI, Composite, S-Video, RGB, DVI-D and VGA input
- e) All required cables and connectors, which should be specified
- f) TFT screen stand/Fixtures for connecting to Pendant System/Ceiling Light Arm
- g) Dustproof and Drip water protected

One(1)**3.3 TELESCOPES**

1. **5 mm** - 30 degree angle of view
0 degree straight view
(each approximately 27-30 cm long)
- 10 mm-** 30 degree angle of view
0 degree straight view
(each approximately 30-35 cm long)
2. Low risk of object bum
3. Colour coded for identification
4. Autoclavable
5. Fibreoptic light transmission incorporated

3.4	<p><u>INSUFFLATOR</u></p> <ol style="list-style-type: none"> 1. Fully automatic, electronically controlled gas fill 2. Adjustable flow rate till a maximum of 30-40 litres per minute and pressure range adjustable between 0 to 30 mm Hg 3. Optical and acoustic warning signals in case of malfunction or excessive pressure 4. Connectible to medical gas pipeline 5. Control by keys on front panel 6. Clear and adjacent front display of actual and preset flow rate, actual and preset pressure, gas consumed 7. Facility for preheating of gas to body temperature 8. Facility for easy evacuation of smoke and mist 9. Memory for retention of previous pressure settings 10. Should include pin-index connection to small/big gas cylinder with regulator, high pressure hose, mains cord, silicone tubing set, universal wrench and gas filter 	<p>One(1)</p> <p>One(1)</p> <p>One(1)</p> <p>One(1)</p> <p>One(1)</p>
3.5	<p><u>LIGHT SOURCE</u> (Xenon 300) with One Spare Bulb</p> <ol style="list-style-type: none"> 1. Xenon cold light fountain with 300 watts xenon lamp 2. Manual and automatic adjustment of light intensity 3. Brightness control to be regulated manually or automatically via the output signal of a video camera 4. Lamp life 500 hrs or more 5. Display of lamp life/Bulb usage meter warning light 6. Standby mode with emergency lamp with visual indicator 7. Electrical specifications <ol style="list-style-type: none"> a) Power supply voltage: 100-240 VAC 8. The light source should comply with IEC 60601-1, belong to Class II a with CE mark 	<p>One(1)</p>
3.6	<p><u>SUCTION-IRRIGATION UNIT</u></p> <ol style="list-style-type: none"> 1. Controlled suction and irrigation unit 2. Irrigation pressure control between 0-400 mm Hg 3. Suction pressure control between 0.75 bar 4. Control from control panel and/or foot pedal 5. Main unit with digital display 6. Overflow protection on suction bottles 7. Accessories should include silicone suction tubings set , reusable pressure domes, bacterial filter and suction bottles with cap 	<p>One(1)</p>
3.7	<p><u>VIDEO-CART</u></p> <ol style="list-style-type: none"> a. Made of Stainless Steel/Epoxy coated metal b. Portable on 4 antistatic dual castors, 2 with locking brakes c. Required number of shelves for housing all the units of the set <ol style="list-style-type: none"> c. Adjustable arm for fixation to either side for fixing the TFT monitor d. One drawer unit with lock and key e. Cable Manager g. power box with concealed wiring for providing electrical connections of proper rating to all the units suitable for Indian plugs 	

One(1)

3.8 IMAGE MANAGEMENT SYSTEM

- a. Documentation system for digital storage of still images, video sequences and audio files.
- b. Resolution of still images should be 1920x1080 and HD video
- c. Writes multi-session and multi-patient CDs/DVDs
- d. Fully controllable from inside and outside the sterile field
- e. USB support for storage on USB drives
- f. Latest processor & HDD, which should be specified
- g. Largest possible RAM, which should be specified
- h. Integrated DVD/CD writer with maximum speed which should be specified
- i. Compact key board with drape
- j. Cordless mouse
- k. All types of connecting cables (BNC, DVI) and connectors, which should be specified
- l. Flat screen colour monitor of 1024x768 resolution with all connectors and connection cables (BNC, S-VIDEO(Y/C), VGA), which should be specified
- m. Separate mobile cart with lock and key for housing all the components of the image management system

One(1)

3.9 CARBON DIOXIDE CYLINDER

Two large size cylinders with required regulators and connecting pipe to the insufflator with pressure gauge.

3.10 HAND INSTRUMENTS & OTHER ACCESSORIES

S.No	Instrument	Specifications	Qty
1.	Reusable Veress Pneumoperitoneum Needle	Spring loaded blunt stylet	Length-10 cm
		luer lock	-15cm
2.	Reusable Trocar :- 5mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable	05
3.	Reusable Trocar :- 10/11mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable	04
4.	Reusable Trocar :- 5mm	Multifunctional valve, insufflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm), autoclavable	02
5.	Reusable Trocar :- 13.5mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable	01
6.	Two ways Suction and Irrigation cannula	Size 5mm, length 36cm, used with suction and irrigation handle and handpiece with stopcock	02
7.	Tissue Grasping	Double action jaws of 20-23 mm .	01

One(1)

Two(2)

	forceps – toothed 2x3 teeth	rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	
8.	Tissue Grasping forceps – toothed 2x3 teeth	Single action jaws of size 30-35mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
9.	Maryland forceps	Double action jaws with size 14-16 mm , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	02
10	Grasping forceps- Atraumatic	Double action jaws, spoon shaped with multiple teeth of jaw length 18-23 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	01
11	Dissecting and Grasping forceps- Alligator type	Double action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
12	Dissecting and Grasping forceps-	Single action jaw , with dolphin nose tip of 16-20 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	01
13	Grasping forceps- Atraumatic – Reddick Olsen type	Double action jaws, with fine serrations on jaw length 12-18 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	01
14	Grasping forceps- Fenestrated	Single action straight jaw of 24-26mm length with fine serrations and fenestration , rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
15	Grasping forceps- Fenestrated	Double action straight jaws of 35-40 mm length with fine serrations and fenestration. rotating. size 5mm.	01

		length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	
16	Babcock Grasping forceps- (5 mm)	Double action jaws, atraumatic fenestrated, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
17	Babcock Grasping forceps- (10 mm)	Double action robust jaws with large atraumatic gripping surface, rotating, size 10mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
18	Fan shaped retractor	Rotating with 4-5 blades, size 5mm, length 33-36cm, dismantling facility	01
19	Hook Scissors,	Double action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, , autoclavable	01
20	a. Rotating Metzenbaum Scissor b. Insert of Metzenbaum scissors	Double action jaws of length 14-16mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, autoclavable	01 02
21	Bipolar coagulating forceps	Wide jaws for dissection, grasping large vessels, size 5mm, length 33-36cm fenestrated. Jaws with robust hinge and 360° rotational, ring handles, can be completely disassembled and a cleaning port, autoclavable	01
22	Bipolar coagulating forceps (Only Insert)	Maryland type jaw of 18-20 mm length, and 34-36 cm long to fit into the other parts of No. 23, autoclavable	01
23	Needle Aspirator	Size 5mm, length 30- 36cm, Needle diameter of 1.5-2 mm	01
24	Needle holder (Disengageable, coaxial type)	Size 5mm, tungsten carbide tip, straight handle with ratchet, single moving with curved tip to left, length 33-36cm.	01
25	Needle holder insert (Straight type)	Size 5mm, tungsten carbide tip, single moving straight jaws, length 33-36cm.	01
26	Extracorporeal Knot pushers	Closed Eye type, length 28-32cm, size 3mm	01
27	Endoloop applicator	To fit into trocar size of 6 mm	01
28	Clip Applicator - Medium Large	Rotatable, provision for locking the shaft conveniently. 10mm.	01

		compatible with clip LT 300		
29	Clip Applicator - Large	Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 400	01	
30	Hassan cone	Adaptable to 10mm trocar	01	
31	Reduction Sleeves/Extractors	From 10/11mm to 5mm, metallic	02	
32	Reducers	from 10/11mm to 5mm	02	
33	L-Hook	Size 5mm, length 33-36cm with pin for cautery	02	
34	Spatula	Size 5mm, length 33-36cm with pin for cautery	01	
35	Fascia closure instrument	Size 2.8mm, length 17cm with single action jaw	01	
36	High Frequency Cord.	For 5mm & 10mm hand instruments with Monopolar Electrodes, spatula tip	02	02
37	Washers	For 5 & 10 mm cannula and reducers	10 pieces each	
38	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 250 cm long	01	
39	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 300 cm long	01	
40	Light Adaptor	Angled 90°, diameter 4.8 mm, free rotatable, to connect with standard telescopes	01	
41	Container Systems: Metal & Plastic	For sterilization and storage of telescopes, hand instruments and other accessories. Different sizes.	02	

4 System Configuration Accessories, spares and consumables

- 4.1 System as specified. But all the items should be of the same manufacturer of International repute only.
- 4.2 ACCESSORIES:- All possible accessories of the equipment should be quoted. The specific accessory and its quantity will be decided on the basis of actual requirement
- 4.3 The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be provided
- 4.4 The codes and rates of all relevant individual accessories should be quoted separately with clear mention of period of validity of rates

5 Environmental factors

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

6 Power Supply

- | | |
|-----|--|
| 6.1 | Power input to be 220-240VAC, 50Hz fitted with Indian power-plug |
| 6.2 | Suitable UPS for the complete system for 60 minutes. |
| | |

7 Standards & Safety

- | | |
|-----|---|
| 7.1 | Should be FDA/ CE or BIS approved product |
| 7.2 | Manufacturer and Supplier should have ISO certification for quality standards. |
| 7.3 | Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard) |
| | |

8 Training

- | | |
|-----|--|
| 8.1 | Comprehensive training for staff of user department and support services till familiarity with the system. |
|-----|--|

9 Warranty & Service

- | | |
|-----|--|
| 9.1 | Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid. |
| 9.2 | Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so. |
| 9.3 | Principal manufacturer must have registered service centre in India. After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier |

10 Documentation

- | | |
|------|--|
| 10.1 | Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable |
| 10.2 | Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature. |
| 10.3 | Certificate of compliance with standards and approvals stated above |
| 10.4 | Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier |
| 10.5 | List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual. |
| 10.6 | List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing. |

10.7	Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out
10.8	Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.
10.9	List of users of quoted model with performance certificate from major hospitals

Schedule no. 16

OPEN GENERAL SURGERY INSTRUMENTS

1 Description of Function									
1.1	Open surgery instruments are required to carry on conventional general, gastrointestinal, urological procedures.								
2 Operational Requirements									
2.1	<ol style="list-style-type: none"> 1. The instruments quoted should be of high quality and standard. 2. The Instruments should be imported and of CE or FDA certification. 3. Copy of the European CE certified or US FDA certified must be enclosed. 4. The instruments must be ISO certified and copy to be enclosed. 5. The part no. and name of manufacturer should be engaged on the each instrument 								
3 Technical Specifications									
3.1	<u>MAJOR BASIC SET</u>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl. No</th> <th style="width: 30%;">Instrument</th> <th style="width: 50%;">Specifications</th> <th style="width: 10%;">Qty</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sponge Holding Forceps</td> <td> a- Rampley type. 180 mm long b- Rampley type. 250 mm long c- FOERSTER-BALLENGER. Serrated jaws; straight 180 mm long d- FOERSTER-BALLENGER. Serrated jaws; curved 245 mm long e- FOERSTER-BALLENGER sponge & dressing forcep, </td> <td> 04 04 06 06 </td> </tr> </tbody> </table>	Sl. No	Instrument	Specifications	Qty	1.	Sponge Holding Forceps	a- Rampley type. 180 mm long b- Rampley type. 250 mm long c- FOERSTER-BALLENGER. Serrated jaws; straight 180 mm long d- FOERSTER-BALLENGER. Serrated jaws; curved 245 mm long e- FOERSTER-BALLENGER sponge & dressing forcep,	04 04 06 06
Sl. No	Instrument	Specifications	Qty						
1.	Sponge Holding Forceps	a- Rampley type. 180 mm long b- Rampley type. 250 mm long c- FOERSTER-BALLENGER. Serrated jaws; straight 180 mm long d- FOERSTER-BALLENGER. Serrated jaws; curved 245 mm long e- FOERSTER-BALLENGER sponge & dressing forcep,	04 04 06 06						

		smooth jaws 245mm	06
2.	Steel Basin	a- Small size b- Large size	05 05
3.	Galley Pots	a- 8.3x5.4x4.1 cm	20
4.	Cheattle forceps	270-280 mm long	10
5.	Kidney trays	a- 170 mm size b- 250 mm size c- 275 mm size	10 10 10
6.	BP handle of standard length and type	a- No. 3 b- No.4 c- No. 7	15 15 05
7.	Humby's knife handle	Length of 30 – 32 cm	02
8.	Towel Clamps	a) Jones type. 8-10cm b) Backhaus type. 8-10 cm	60 60
9.	Metzenbaum Scissors, (Tungsten Carbide)	a- Curved, blunt tip, 145 mm b- curved, blunt tip, 180 mm long c- curved, blunt tip, 230 mm long	10 10 10
10.	Metzenbaum Scissors, (Tungsten Carbide)	a- fine, straight, blunt tip, 145 mm b- fine, straight, blunt tip, 180 mm	06 06
11.	Baby-Metzenbaum Scissors	a- fine, curved, pointed tip, 145 mm	06
12.	Operating scissors	a- Straight, B/B; 14-15 cm long b- Straight, B/B; 18-19 cm long c- Straight, S/S; 12-13 cm long d- Straight, S/S; 16-17 cm long e- Curved, B/B, 17-18 cm long f- Curved, S/S, 17-18 cm long	04 04 04 04 04 04
13.	Suture cutting Scissors	a) Straight, 11-12cm b) Straight, 16-18 cm	04

		c) Curved, 20-22cm	10
			10
14.	Iris Scissors	a- Straight, 11-12 cm b- Curved, 11-12 cm	06
			06
15.	Metzenbaum's – Thorek Scissors (Tungsten Carbide)	a- 20-21 cm long	06
16.	Pott's Smith Scissors	a- 180-190 mm long; 25 degree with bead at the tip of posterior blade b- 180-190 mm long; 45 degree	01
			02
17.	Favaloro vascular forceps	a- 140 mm long	02
18.	Mayo's Scissors	a- Straight, bevelled edges, 13-14 cm b- Curved, bevelled edges, 13- 14 cm c- Straight, bevelled blades, 18-20 cm d- Curved bevelled blades, 18- 20 cm	05
			05
			05
			05
19.	Stitch cutting scissors	Straight type; 13-15 cm long	10
20.	Lister's Bandage scissors	a- Double finger bow of 18-20 cm	02
21.	ALLIS Baby tissue grasping forceps 4/5 teeth	a- 130 mm long	15
22.	ALLIS tissue grasping Forceps atraumatic jaw 150mm" "	a- 155 mm long b- 200 mm long	24
			24
23.	ALLIS tissue grasping forceps; 4x5 teeth	a- 155 mm long	24
24.	ALLIS tissue grasping forceps; 2x3 teeth	a- 155 mm long	12
25.	Standard Dissecting forceps, medium width	a. 11-12 cm long b. 15-16 cm long c. 30-31 cm long	10
			10
			02
26.	Standard Tissue Forceps with 1 x 2 toothed	a- 11-12 cm long b- 15-16 cm long	10
			10
27.	WAUGH toothed	a- 200 mm long	06

	dissecting Forceps medium		
28.	ADSON dissecting forceps; bayonet shaped	a- 175 mm long	06
29.	Lister Sinus Forceps	a- 12-13 cm long b- 17-18 cm long	02 06
30.	Micro Dissecting Forceps	15-16 cm long	03
31.	Mini-Adson's dissecting Forceps	11-12cm;	10
32.	Micro-Adson's tissue Forceps	11-12cm; 1x2 toothed	08
33.	DEBAKEY dissecting and tissue forceps; jaws 2mm width	a- 150 mm long b- 200 mm long c- 240 mm long	06 06 06
34.	Mc Indoe's dissecting forceps	a- 15-16 cm long	02
35.	Bull dog clamp	a- Debakey's type:30-35mm; angled 10 mm jaw b- 40-45 mm; 20mm straight jaw c- 55-60 mm; straight 20-22 mm jaw length	05 05 05
36.	SPENCER WELLS Haemostatic Forceps	a- Curved, serrated Jaws, 130 mm b- Curved, serrated Jaws, 175 mm c- Curved, serrated Jaws, 230 mm d- Straight, serrated Jaws, 130 mm e- Straight, serrated Jaws, 175 mm f- Straight, serrated Jaws, 230 mm	36 36 36 36 36 36
37.	Dunhill Hemostatic Forceps	a- Straight, 125 mm	24
38.	MICRO-HALSTEAD Mosquito Artery Forceps	a- Straight, 120-130 mm b- Curved, 120-130 mm	60 60
39.	Baby-Mosquito (Hartmann)	a- 100 mm, straight b- 100mm, curved	30

			30
40.	KOCHERS haemostatic forceps	a- Straight, 1x2 teeth, 130-140 mm b- Curved, 1x2 teeth, 130-140 mm	10 10
41.	KOCHERS- OCHSNER haemostatic forceps	a- Straight, 1x2 teeth, 225 mm b- Curved, 1x2 teeth, 225 mm	10 10
42.	Lahey's Hemostatic Forceps	a- Curved, 180-200 mm long b- Curved, 220-230 mm long	06 06
43.	KELLYS Dissecting & Hemostatic Forceps	a- Curved, 190 mm long b- Curved, 240 mm long	12 12
44.	MIXTERS Dissecting & ligature forceps	a- 160 mm long b- 220 mm long c- 250 mm long	04 04 04
45.	MIXTERS- Baby Dissecting & ligature forceps	a- 130- 140 mm long	06
46.	Adson Baby Dissecting and Hemostatic Forceps	a- 140-150 mm long b- 180 mm long	03 03
47.	BABCOCK tissue grasping Forceps atraumatic jaw	a- 155 mm long b- 200 mm long	24 24
48.	Duval intestinal and tissue grasping forceps	a- 230 mm long	03
49.	PEAN KIDNEY CLAMP	a- 220 mm long	03
50.	Kocher Atraumatic Intestinal Clamps; very soft and elastic	a- Straight type; 220 mm long b- Straight type; 280 mm long c- Curved type; 220 mm long d- Curved type; 280 mm long	06 06 06 06
51.	Baby Kocher Intestinal clamps: very elastic	a- Straight; 130 mm long b- Curved; 130 mm long	06 06
52.	PAYRS stomach clamps large	a- 145mm jaw length; 315mm long	02
53.	Desjardins Gallstone Forceps (of different curvatures)	a- 225 mm long, b- 240 mm long	06 06
54.	Mixer Gallstone	22-23 cm long	03

	Forceps		
55.	Bakes Gall Duct Dilator	a- 5 mm size b- 10mm	02 02
56.	Skin Hook	a- Single Sharp hook; 15-16 cm long b- Double Hooklets; 15-16 cm	12 06
57.	CUSHING VEIN RETRACTOR	a- 10 X 13 mm, 205 mm long	06
58.	DEBAKEY TANGENTIAL OCCLUSION CLAMPS	a- 58mm x 270mm	02
59	KRYENBHUL nerve hook with small ball	a- 180-190 mm long	06
60	Proctoscope	a- Paediatric size b- Adult size	01 05
61	Rectal Punch Biopsy Forceps	a- Paediatric size b- Adult Size	01 02
62	MAYO HEGAR needle holder T/C Tip	a- 150 mm long b- 180 mm long c- 200 cm long	10 10 10
63	De Bakey Needle Holders	a- 250mm long b- 300 mm long	04 04
64	BABY CRILE WOOD Needle Holder	a- 150 mm long	06
65	Ryder-vascular needle holder	a- 155 mm long b- 220 mm long	03 03
66	CASTROVIEJO needle holder, TC tip	a- 145 mm long b- 180 mm long	03 02
67	DENIS-BROWNE abdominal retractors	a- Frame of 175x150 mm with 4 blades of 40x30 mm b- Frame of 175x150 mm with 4 blades of 40x40 mm	2 sets 2
68	Gil-Vernet saddle hook retractors	a- Saddle hook type of 17-18 mm; 23-24 cm long b- Saddle hook type of 20-21 mm; 23-24 cm long c- Saddle hook type of 23-	02 02

		24mm; 23-24 cm long	02
69	Senn-Miller retractor	a- Triplet hooklets, blunt hooklets; 16-18 cm long	03
70	Langenbeck's retractor	a- Ring type fenestrated handle; 30x11mm, 21-22cm long b- Ring type fenestrated handle; 40x11mm, 21-22cm long c- Ring type fenestrated handle; 50x11mm, 21-22cm long d- Ring type fenestrated handle; 85x15mm, 22-23cm long	15 06 06 04
70	Lahey's Retractor	a- 29x6 mm jaw length; 19-20 cm long	06
71	Brunner's Retractor	a- Jaw length of 14 x 3 cm, 24-25 cm long	02
72	Deaver Retractor	a. 30-35 cm long, 3.8-4.2cm wide b. 30-35 cm long, 4.8-5.2cm wide c. 30-35 cm long, 7.0-7.5cm wide d. 30-35 cm long, 2.0-2.5cm wide e. 20-25cm long, 2.0-2.4cm wide	06 06 06 06 02
73	Morris wound retractors	a- Limb of 70x40 mm; 245 mm long b- Limb of 70x65 mm; 245 mm long	04 05
74	Allisons Lung retractor	a- 320 mm long; jaw width of 54 mm	02
75	Joll retractor	15 - 16 cms size	04
76	Balfour -Standard abdominal Retractor	Size 20 cm; lateral blades of 100x35 mm with one central blades	02
77	Doyen's retractor	Blade of 45x88 mm , 24- 25 cm long	06
78	Czerny retractor	175mm long, 38 X 22mm	06
79	Abdominal Spatula	a- Soft, Malleable; 32-34cm long, 50mm wide b- Soft, Malleable; 32-34cm	02

		long , 40mm wide	02
		c- Soft, Malleable; 32-34cm long, 30mm wide	
		d- Soft, Malleable; 20-22cm long, 25mm wide	02
			02
80	Satinsky Tangential clamps	a- 22 cm long	04
81	De Bakey multipurpose vascular clamps	a- 15 cm long b- 22 cm long	03
			03
82	PEAN hemostatic forceps	a- Straight, 155 mm long b- Curved, 155 mm long	03
			03
83	De Bakey-Pean Hemostatic Forceps	a- Curved, 200 mm long b- Straight, 200 mm long	06
			06
84	Lovelace Lung Grasping Forceps	a- Small b- Large	01
			01
85	Fistula Probe, double ended,	a- DIA.:1.5mm; 145mm long, malleable, b- DIA.: 2 mm; 200mm long, malleable.	06
			06
86	NELATON Grooved directors,	CURVED 160MM"	03
87	Universal Trocar	14 m long, 7-09 mm thick	02
88	Suction Tips	a- Frazier type; 3 mm: 19-20 cm long b- Poole type; Sump suction tube of 10mm size and 23-24 cm long.	06
			06
89	MAYOS safety pin instrument Holder	a- 140 mm long	12
90	DOYEN'S rib raspatories; left, adult	a- 175 mm long	03
91	DOYEN'S rib raspatories; right, adult	a- 175 mm long	03
92	SAUERBRUCH RIN RONGEURS Powerful/action 310mm	a- 310 mm long, round bite	01
93	LISTON-KEY-HORSLEY bone cutting forceps	S shaped; 255mm long	01

94	SIM'S RECTAL SPECULUM	A- 15-16 cm with solid blades	02	
95	MOLLISON S/R RETRACTOR	4X4 prongs sharp 150mm	02	
96	Hernia Ring Forceps for retraction of cord	a- 145 mm long	06	
97	DESCHAMPS-blunt ligature needles; right hand	- 215 mm long	03	
98	FARABEUF periosteal elevators	155	02	
99	BRISTOW periosteal elevator	230 mm long	02	02
100	VOLKMANN double ended bone currette	170-180 mm long	4	
101	CUSCO standard vaginal speculum	a- Small, 80x24 mm b- Large, 110x37 mm	01 01	
102	FINOCHIETTO chest retractor	a- Infant size; lateral blades of approx. 12x15 mm long b- Baby size; lateral blades of approx. 30x30mm long c- Large size; lateral blades of 80x65 mm long d- Large size; lateral blades of 80x65 mm long	03 02 02 01	
103	Bailey Baby rib contractors	155 mm long	01	
104	Bailey rib contractors for adults	Long claw; 200mm long	04	
105	BENSON pyloric spreader	155 mm long	01	
106	DITTEL urethral bougies	No 8-30 Fr Gauze	2 sets	
107	Container Systems: Metal & Plastic	For sterilization and storage of telescopes, hand instruments and other accessories. Different sizes.	03	
108	Hemorrhoidal banding gon with accessories	Suction type	04	

Schedule no. 17**Electro Surgical Unit (ESU)****1 Description of Function**

- 1.1 ESUs are used for surgical cutting and for controlling bleeding by causing coagulation (hemostasis) at the surgical site. They deliver high-frequency electrical current through an active electrode tip, causing desiccation, vaporization, or charring by resistive heating in the target tissue.

2 Operational Requirements

- 2.1 Microprocessor/Microcontroller technology

3 Technical Specifications

- 3.1 Should provide monopolar output for cut, coagulation (fulguration & spray) & blend
- 3.2 Should have bipolar cut and coagulation in multiple levels with automatic bipolar coagulation.
- 3.3 Activation by foot switch and hand switch
- 3.4 Activation of bipolar by foot switch and automatic start/stop system
- 3.5 Auto diagnosis on switching on and during working to continuously monitor all parameters
- 3.6 Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.
- 3.7 Output powers adjustable automatically or manually from the control panel.
- 3.8 Programmable memory for output settings
- 3.9 Simultaneous access to mono and bipolar by 2 or more users
- 3.10 Should be usable with laparoscopic monopolar and bipolar instruments, for which programmes and accessories must be available
- 3.11 System for neutral plate safety by continuous monitoring of contact quality and connection
- 3.12 System for monitoring and control of leakage current
- 3.13 Frequency Leakage on the patient should be less than 10 micro Amp.

4 System Configuration Accessories, spares and consumables

- 4.1 System as specified
- 4.2 The accessories should include
- (a) trolley,
 - (b) mains cable with power plug for standard Indian sockets,
 - (c) foot switches for different outputs,
 - (d) reusable and single use neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required,
 - (e) sterilizable and disposable electrode handle with and without finger switch with

	<p>cable for electrode handle, (f) set of electrodes (long and short) with electrode container with holder, (g) tip cleaner, (h) bipolar forceps with cable, (i) cable for connecting to standard mono polar and bipolar laparoscopic instruments, (j) dedicated instruments for open and laparoscopic monopolar and bipolar use. <i>All accessories should be same principal equipment manufacturer.</i></p>
4.3	The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be quoted
4.4	The codes and rates of all possible individual accessories should be quoted separately with clear mention of period of validity of rates
5 Environmental Factors	
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative humidity of 15-90%
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90%
6 Power Supply	
6.1	Power input to be 220-240VAC, 50Hz fitted with Indian power-plug
6.2	Suitable UPS with 60 min backup.
7 Standards & Safety	
7.1	Should be US-FDA or European CE approved model.
7.2	Manufacturer and Supplier should have ISO certification for quality standards.
7.3	IEC 60101-1 Medical Electrical Equipment, General Requirements for safety
7.4	Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
7.5	Certified to be compliant with IEC 60601-2-2 Medical Electrical Equipment Part 2-2: Particular requirements for the safety of High Frequency Surgical Equipments: latest edition
8 Training	
8.1	Comprehensive training for staff of user department and support services till familiarity with the system.
9 Warranty & Service	
9.1	Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.
9.2	Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.

- | | |
|-----|---|
| 9.3 | After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier |
|-----|---|

10 Documentation

- | | |
|------|--|
| 10.1 | Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable |
| 10.2 | Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature. |
| 10.3 | Certificate of compliance with standards and approvals stated above |
| 10.4 | Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier |
| 10.5 | List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual. |
| 10.6 | List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing. |
| 10.7 | Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out |
| 10.8 | Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book. |
| 10.9 | List of users of quoted model with performance certificate from major hospitals |

Schedule no. 18

Ultrasonic cutting and Coagulation device

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	<ol style="list-style-type: none"> 1. Ultrasonic generator generating ultrasound frequency in between 35-70 KHz 2. Hand-piece with transducer & silicon cable 3. Capability of being operated by hand control or foot switch. 4. Single/Dual foot-switch attachment 5. Stand-by mode for better safety 6. System diagnostics and trouble shooting guide 7. Warning system for malfunctioning cable, probe etc (Audible/ Visual) 8. It should not interfere with other electromagnetic devices. 9. It should have a horizontal/torsional vibration 10. Should be capable of sealing vessels 5-7mm in diameter 11. Should have different audible tone settings for different modes 		
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4 System Configuration Accessories, spares and consumables

4.1	<p>Accessories:</p> <ol style="list-style-type: none"> 1. Foot-switch with cable. 2. Cart to house the generator and accessories <p>4. Open surgery Instruments:</p> <ol style="list-style-type: none"> a. Coagulation shears- 5mm dia, 18cm long or more b. Dissecting grasper 5mm dia for Coagulation 18 cms. or more <p>5. Endoscopic surgery Instruments:</p> <ol style="list-style-type: none"> a. Dissector Grasper 5mm diameter 30cm-45cm long b. Curved Shear, 5mm diameter, 30cm- 45cms long <p>6. Any Other compatible Accessories has to be offered if any.</p>		
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5 Environmental factors

5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive.		
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%		
5.3	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%		

6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug		
6.2	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. Hand piece with transducer should be covered with warranty.		

8 Documentation

8.1	User/Technical/Maintenance manuals to be supplied in English.		
8.2	Certificate of calibration and inspection.		
8.3	List of Equipments 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. The equipment should be available for demonstration in case required		
8.6	The equipment should be available for demonstration in case required		
8.7	The equipment should have 95% uptime. If downtime exceeds 5 % in a calendar Year, Warranty will exceed for double the number of days.		

Schedule no. 19

Electro Surgical Unit (ESU) with Vessel Sealing System

1 Description of Function

- 1.1 ESUs are used for surgical cutting and for controlling bleeding by causing coagulation (hemostasis) at the surgical site. They deliver high-frequency electrical current through an active electrode tip, causing desiccation, vaporization, or charring by resistive heating in the target tissue.

2 Operational Requirements

- 2.1 Microprocessor/Microcontroller technology

3 Technical Specifications

- 3.1 Integrated system with 300W output generator for monopolar, bipolar and vessel sealing system for open and laparoscopic surgery
- 3.2 Compatible with Argon Plasma Coagulator
- 3.3 Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels
- 3.4 Should have bipolar cut and coagulation in multiple levels with automatic bipolar coagulation.
- 3.5 Activation by foot switch and hand switch for all the modes.
- 3.6 Activation of bipolar by foot switch and automatic start/stop system
- 3.7 Capable of sealing vessels up to 7 mm diameter
- 3.8 Auto diagnosis on switching on and during working to continuously monitor all

	parameters
3.9	Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.
3.10	Output powers adjustable automatically or manually from the control panel.
3.11	Programmable memory for output settings
3.12	Simultaneous access to mono and bipolar by 2 or more users
3.13	Should be usable with laparoscopic monopolar and bipolar instruments, for which programmes and accessories must be available
3.14	System for neutral plate safety by continuous monitoring of contact quality and connection
3.15	System for monitoring and control of leakage current
3.16	Frequency leakage on the patient should be less than 10 micro Amp.

4 System Configuration Accessories, spares and consumables

4.1	System as specified
4.2	The accessories should include (a) trolley, (b) mains cable with power plug for standard Indian sockets, (c) foot switches for different outputs, (d) reusable and single use neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required, (e) sterilisable and disposable electrode handle with and without finger switch with cable for electrode handle, (f) set of electrodes (long and short) with electrode container with holder, (g) tip cleaner, (h) bipolar forceps with cable, (i) cable for connecting to standard mono polar and bipolar laparoscopic instruments, (j) dedicated instruments for open and laparoscopic monopolar, bipolar and vessel sealing use. <i>All accessories should be from the same principal equipment manufacturer.</i>
4.3	The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be quoted
4.4	The codes and rates of all possible individual accessories should be quoted separately with clear mention of period of validity of rates

5 Environmental Factors

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

6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz fitted with Indian power-plug
6.2	Electronic Voltage corrector/stabilizer of appropriate ratings meeting BIS Standards/Specifications.(Input 160-260 V and output 220-240 V and 50 Hz)
7 Standards & Safety	
7.1	Should be US-FDA or European CE approved model product.
7.2	Manufacturer and Supplier should have ISO certification for quality standards.
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
7.4	Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
7.5	Certified to be compliant with IEC 60601-2-2 Medical Electrical Equipment Part 2-2: Particular requirements for the safety of High Frequency Surgical Equipments: latest edition
8 Training	
8.1	Comprehensive training for staff of user department and support services till familiarity with the system.
9 Warranty & Service	
9.1	Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.
9.2	98% Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.
9.3	After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier
10 Documentation	
10.1	Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable
10.2	Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature.
10.3	Certificate of compliance with standards and approvals stated above
10.4	Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier
10.5	List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
10.6	List of important spare parts and accessories. which are required for maintenance

	and repair, with their part number and costing.	
10.7	Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out	
10.8	Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.	
10.9	List of users of quoted model with performance certificate from Govt hospitals	

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

- a) Five 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 5 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.

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.)
				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 _____

Place: _____

Date: _____

Name _____
Business Address _____
Signature of Tenderer _____
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 Schedule No.	2 BRIEF DESCRIPTION OF GOODS	3 QUANTITY. (Nos.)	4 Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					5 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

(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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

(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: TRANSCHART, 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?			
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

HLL Lifecare Limited

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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 Code	Medical Institutions	Contact Address.	AirPort	Sea Port
Bhopal	All India Institute of Medical Science, Bhopal	The Director, All India Institute of Medical Science, Near Saket Nagar, Bhopal-462020	NEW DELHI	KOLKATA
Bhubaneswar	All India Institute of Medical Science, Bhubaneswar	The Director, All India Institute of Medical Science, AIIMS-Bhubaneshwar, Near Biju Patnaik Police Academy, Village-Sijua, Bhubaneshwar-751019, Orissa	KOLKATA	KOLKATA
Jodhpur	All India Institute of Medical Science, Jodhpur	The Director, All India Institute of Medical Science, Basani Ph-2, Jodhpur-342005, Jodhpur	NEW DELHI	KANDLA
Patna	All India Institute of Medical Science, Patna	The Director, All India Institute of Medical Science, AIIMS-Patna, Phulwari Sharif, Infront of DAV School, WALMI, Danapur, Patna-801105, Bihar	KOLKATA	KOLKATA
Raipur	All India Institute of Medical Science, Raipur	The Director, All India Institute of Medical Science, AIIMS-Raipur, Old TB Hospital, Tatibandh, Raipur-492001, Chattisgarh	KOLKATA	KOLKATA
Rishikesh	All India Institute of Medical Science, Rishikesh	The Director, All India Institute of Medical Science, AIIMS-Rishikesh, Barrage Road, Pashulok, Rishikesh-249203, Uttarakhand	NEW DELHI	KANDLA

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