GLOBAL e-TENDER ENQUIRY DOCUMENT

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

On behalf of

GOVT. OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE
HLL/PCD/PMSSY-II/11/16-17

BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)
Procurement & Consultancy Services Division
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SECTION I

NOTICE INVITING GLOBAL e-TENDERS (NIT)
from
HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)

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FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY-II/11/16-17 **Dated 22.08.2016**

NOTICE INVITING e-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 Equipment to Pt.B.D. Sharma Post Graduate Institute of Medical Sciences Rohtak, Jawahar Lal Nehru Medical College, Aligarh (Aligarh Muslim University & Government Medical College, Amritsar which are getting upgraded under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase II:

Sch no	Event Number	Name of Item	Qty	EMD(Rs.)
1	3000001464	Photo – slit lamp with applanation tonometer	3	42,000
2	3000001465	Ophthalmic ND: YAG Laser- 1064 nm	1	40,000
3	3000001466	Pneumatic Drill Machine for Neurosurgery	1	30,000
4	3000001467	Computerized cardiopulmonary exercise testing system with treadmill for humans	1	40,000
5	3000001468	Flexible Cysto-Nephroscope (High End)	1	30,000
6	3000001469	PCNL Set	1	20,000
7	3000001470	Uretrorenoscope	1	16,000
8	3000001471	Fiberoptic Phototherapy Lamp	4	8,000
9	3000001472	Labour Bed cum Labour Table	10	10,000
10	3000001473	Non-invasive ventilator	2	8,000
11	3000001474	ICP Monitor	1	10,000
12	3000001475	Stretcher Trolley	20	28,000

Sch no	Event Number	Name of Item	Qty	EMD(Rs.)
13	3000001476	Colonoscope with Videoscope	1	36,000
14	3000001477	Upper GI Endoscope	1	16,000
15	3000001480	Defibrillator	13	84,000
16	3000001481	Phaco Emulsification System	1	60,000
17	3000001482	High Frequency X Ray Unit 800mA	2	1,80,000
18	3000001483	ENT Treatment Unit	2	60,000
19	3000001484	Operating Hysteroscope with accessories	1	1,20,000
20	3000001485	Complete Micro Motor System for Trauma Care	1	20,000
21	3000001487	Vascular Doppler	1	6,300
22	3000001488	Mobile Surgical C-Arm	1	80,000
23	3000001489	Surgical Operating Microscope for Neurosurgery	1	2,76,000
24	3000001491	E.N.T. Operating Microscope & Video Camera Unit	1	40,000
25	3000001492	Neonatal Incubator	2	23,200
26	3000001493	Vats Set	1	60,000
27	3000001494	Mammography with CR System	2	3,60,000
28	3000001495	800mA X-Ray unit with Single Detector (U/C Arm)	1	2,00,000
29	3000001496	Video Endoscope unit with NBI/HD+Video with Upper GI Endoscope, Colonoscope-ERCP with accessories	1	2,20,000

(2) **Tender No.: HLL/PCD/PMSSY-II/11/16-17**

Sl.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5200/- (Rs. Five Thousand Two Hundred Only)
b	Pre-bid meeting date , time & Venue	**30-Aug-2016,** 1100 hrs IST , HLL Lifecare Limited, , Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
c	Closing date & time for submission of **tender fee and EMD in physical form**	**22-Sep-2016,11 30 hrs (IST)** Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMDwithin the above mentioned date and time
d	Closing date & time for submission of online bids	**21-Sep-2016, 1800 hrs IST**
e	Time and date of opening of online bids	**22-Sep-2016, 1400 hrs IST**

Sl.	Description	Schedule
f	Venue for :- • Submission of tender fee, EMD in physical form. • E-Tender Opening-Tech Bid	HLL Lifecare Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

SPECIFIC Instructions for e-Tender Participation:-

3. Bidders should have valid Class 3 Digital Signature Certificate with encryption.
4. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
5. The prospective bidders have to register with the E-procurement system of HLL at https://etender.lifecarehll.com/irj/portal. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excepting non-working days). In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).
6. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
7. **The tenderers shall submit tender fee and EMD in physical form at the scheduled time and venue.**
8. Tenderer may download the tender enquiry documents from the web sitewww.lifecarehll.com or www.eprocure.gov.in/cppp or https://etender.lifecarehll.com/irj/portal.

9.The submission of tender online can only be done thru' https://etender.lifecarehll.com/irj/portal.

10. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
11. Tenderers shall ensure that their tenders, complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**

IMPORTANT NOTE :-Tender fee (Rs.5,200/-) and EMD(As applicable) should be deposited 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 **22-Sep-2016, 1130 hrs (IST).Submission beyond stipulated date & time would result in REJECTION of BID.**

SVP (GB)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

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) **"e-Tender"** means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.

(iii) **"Tenderer"** means Bidder/ the Individual or Firm submitting Bids / Quotation / e-Tenders.

(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/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. e-TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

8.1 In addition to Section I – "Notice inviting e-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 e-TENDERS

11. Documents Comprising the e-Tender

11.1 The tender shall be submitted online **ONLY EXCEPT TENDER FEE & EMD** (in physical form) as mentioned below:

(i) Technical Bid (Consisting of Eligibility Criteria & Technical Specifications viz. Product Specification Sheets/Brochures, OEM Certificate etc.) . Bidders may name the files indicating the nature of content in pdf format which would be required to be attached in e-tender.

(ii) Price Bid (To be filled up in the Proforma , Signed, Stamped, Scanned to pdf mode & attach under PRICE BID .

DO NOT'S

Bidders are requested **NOT** to submit the hard copy of Financial Bid along with the physical form of tender. In case the hard copy of financial bid is submitted in physical form, the tender shall be

straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will **RESULT IN REJECTION**of the tender.

A) Technical Tender (Un priced Tender)

All Technical details (eg. Eligibility Criteriasrequested (as mentioned below)) should be attached in C-Folder of e-tendering module , failing which the tender stands invalid & REJECTED.

Bidders shall furnish the following information along with technical tender (in pdf format):

i) Earnest money Deposit (EMD) 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.
x) Checklist as per Section XX.

B) Price Bid:

1. Prices are to be quoted in the attached Price Bid format online on e-tender portal in pdf format & apply digital signature certificate. **While uploading the price the tenderer has to ensure that the FILE NAME of the attached document SHOULD BE SAME as that of provided price bid format.**

2. The price should be quoted for the accounting unit indicated in the e-tender document.

The bidder shall not submit hard copy of financial bid otherwise his tender shall be straightway rejected. Also, uploading the price bid in prequalification bid or technical bid will result in rejection of the tender.

Note:

It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any. Any deviation would result in REJECTION of tender and would not be considered at a later stage at any cost by HLL.

11.2 A person signing (manually or digitally) 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(INR).

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 Japanese Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only(INR), 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 alongwith with applicable discounts (if any). 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), Loading& Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 03 months beyond date of delivery.
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.
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) **F**reight and insurance charges.
The price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List
c) 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;
d) The charges for Incidental Services, as in the 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.

13.5 **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 misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition toother 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. Digital Signing ofe-Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11. Tenders shall be uploaded with all relevant PDF format . The relevant tender documents should be uploaded by an authorised person having Class 3 B digital signature certificate.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 The tender shall be submitted online only.

(i) Pre-qualification and Technical compliance as per following documents **(ONLY Online submissions for all the documents.)**

a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).

b) Tender Form as per section X.

c) Compliance of all terms and conditions of TED like- warranty, delivery period, delivery terms, payment terms etc

d) Declaration regarding Fall Clause and Deregistration, debarment from any GovtDept/ Agencies

e) Copy of PAN.

f) Certificate of Incorporation/Declaration being a proprietary firm.

g) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) in pdf format.

h) Name, address and details of account with respect to bidder and/or beneficiary of L/C.

i) Quality Control Requirements as per Section VIII

j) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.

k) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.

(ii) <u>PRICE BID (ONLY ONLINE).</u>

22.2 The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.
Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance / reputed central / state government hospitals should be uploaded in pdf form for price reasonability.

23. Late Tender

23.1 There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system.

24. Alteration and Withdrawal of Tender

24.1 The tenderer, is permitted to change ,edit or withdraw it's bid on or before the end date &time.

E. TENDER OPENING

25. Opening of Tenders

25.1 The purchaser will open the e-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 **<u>Techno - Commercial Tenders</u>** 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 the 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) **The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).**
(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 Infirmity/Irregularity/Non-Conformity

28.1 If during the evaluation, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, , the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post/courier/e-mail/fax etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

29 Discrepancies in Prices

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

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 13.2, the tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts wherever

applicable will be taken into account to determine the lowest evaluated cost for the purchaser in deciding the successful tenderer for each schedule, subject to tenderer(s) being responsive.

34. Comparison of Tenders

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

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

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

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

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

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

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

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

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

iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and

Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded ofto 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 ofto 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)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	8
B	8 to 10	TE documents	No Change	10
C	11 to 21	Preparation of Tenders	Change	11
D	22 to24	Submission of Tenders	Change	18
E	25	Tender Opening	No Change	19
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	20
G	38 to 45	Award of Contract	No Change	23

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.

SUBMISSION OF e-TENDERS

(i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF format as prescribed) and uploaded for on-line submission of Proposal.

(ii) Except Tender Fee and EMD, all document(s)/ information(s) including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.

(iii) The prospective bidders may **scan the documents in low resolution (75 to 100 DPI)** instead of 200 DPI. The documents may be scanned for further lower resolution (if possible). This would reduce the size of the Cover and would be uploaded faster.

(iv) The prospective bidders may upload Drawing files, if any, in **".dwf"** format so that the size of document is less. This is a generic format and all software supports this format.

(v) The Individual file size of uploading is restricted upto 5 MB . Bidders may upload multiple files (Not exceeding 5 MB individually) & name the files in a way , which describes the contents.

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES

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 66 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 transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

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

7.3 Packing instructions:

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

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

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

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding 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, BereauVeritas,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 transhipment 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 usedduring 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. <u>DISTRIBUTION OF DISPATCH DOCUMENTS FOR CLEARANCE/RECEIPT OF GOODS</u>

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 warrantscomprehensivelythat 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) <u>PAYMENT FOR IMPORTED GOODS:</u>

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 equipment issued by recognized/ reputed agency like SGS, Lloyd, BEAURU VARITUS and TUV prior to despatch.

b) On Acceptance:

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

c) Payment of Indigenous Goods :

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

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

e) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for

an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

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

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

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

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

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

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

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

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

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

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

22. 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, interalia contain the following conditions:

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

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

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

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

22.6Passing 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

Sch no	Event Number	Name of Item	Department	Qty	Consignee	Warranty in years	CMC in years
1	3000001464	Photo – slit lamp with applanation tonometer	Regional Institute of Ophthalmology (Low end)	3	Pt. BDS PGIMS Rohtak	5	5
2	3000001465	Ophthalmic ND: YAG Laser- 1064 nm	Regional Institute of Ophthalmology (High end)	1		5	5
3	3000001466	Pneumatic Drill Machine for Neurosurgery	Neurosurgery (Low end)	1		5	5
4	3000001467	Computerized cardiopulmonary exercise testing system with treadmill for humans	Pulmonary & Critical Care Medicine (Low end)	1		5	5
5	3000001468	Flexible Cysto-Nephroscope (High End)	Urology (Low end)	2		5	5
6	3000001469	PCNL Set	Urology (Low end)	1		5	5
7	3000001470	Uretrorenoscope	Urology (Low end)	1		5	5
8	3000001471	Fiberoptic Phototherapy Lamp	Pediatric Medicine	4		5	5
9	3000001472	Labour Bed cum Labour Table	Obstetrics & Gynae (Low end)	10		5	5
10	3000001473	Non-invasive ventilator	Anesthesia	2		5	5
11	3000001474	ICP Monitor	Anesthesia	1		5	5
12	3000001475	Stretcher Trolley	Trauma Care Centre (Low end)	20		5	5
13	3000001476	Colonoscope with Videoscope	General Surgery (Low end)	1		5	5
14	3000001477	Upper GI Endoscope	General Surgery (Low end)	1		5	5
15	3000001480	Defibrillator	Medicine (2 Nos.), Trauma Care(1 No.)	3	Pt. BDS PGIMS Rohtak	5	5
			OPD & Trauma	10	JNMC, Aligarh		
16	3000001481	Phaco Emulsification System	REGIONAL INSTITUTE OF OPHTHALMOLOGY (HIGH END)	1	Pt. BDS PGIMS Rohtak		

Sch no	Event Number	Name of Item	Department	Qty	Consignee	Warranty in years	CMC in years
17	3000001482	High Frequency X Ray Unit 800mA	TRAUMA CARE CENTRE (HIGH END)	2	Pt. BDS PGIMS Rohtak	5	5
18	3000001483	ENT Treatment Unit	E.N.T. (HIGH END)	2		5	5
19	3000001484	Operating Hysteroscope with accessories	Obstetrics& Gynae(Low end)	1		5	5
20	3000001485	Complete Micro Motor System for Trauma Care	Burn& Plastic Surgery(Low end)	1		5	5
21	3000001487	Vascular Doppler	Endocrinology(Low end)	1		5	5
22	3000001488	Mobile Surgical C-Arm	NEUROSURGERY (HIGH END)	1		5	5
23	3000001489	Surgical Operating Microscope for Neurosurgery	OPD & Trauma	1	JNMC, Aligarh	5	5
24	3000001491	E.N.T. Operating Microscope & Video Camera Unit	OPD & Trauma	1		5	5
25	3000001492	Neonatal Incubator	Obst. & Gynae.	2		5	5
26	3000001493	Vats Set	Cath.Lab & CTVS OT	1		5	5
27	3000001494	Mammography with CR System	Radiology	2	GMC Amritsar	5	5
28	3000001495	800mA X-Ray unit with Single Detector (U/C Arm)	Radiology	1		5	5
29	3000001496	Video Endoscope unit with NBI/HD+Video with Upper GI Endoscope, Colonoscope-ERCP with accessories	Gastroenterology	1		5	5

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:

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

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

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

Warranty periodas 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: 1

SI NO.	Photo – slit lamp with applanation tonometer
1	Slit width : adjustable, 0-12 mm or more
2	Slit length: 0-12 mm adjustable in steps.
3	Slit angle : +90 – 90 continuous
4	Decentering of slit image : +4 to –4 horizontal
5	Diaphragm sizes: 0.2 – 12 mm or more.
6	Rotation : 0-180 degrees
7	Light source : LED
8	Slit tilt : 0-20 degrees
9	Filters : cobalt blue, red free, neutral, UV protection
10	Binocular microscope with standard objective and eyepieces
11	5x/6x-40x magnification in steps with drum rotation
12	6-40 mm field of view
13	Movement : base movement (x, y, vertical), adequate chin rest movement
14	Motorized table for slit lamp
15	Applanation tonometer
16	Beam splitter
17	Slit lamp camera-
17.1	Integrated camera at least 3 Megapixel high resolution.
18	8 GB SD/SDHC memory card & power cable.
19	Accessories-
	(1) Bulbs- 06 nos
	(2) Fuses- 04 Nos
20	Should be USFDA or European CE approved product.
21	The unit shall be capable of being stored continuously in ambient temperature of -10 - 50deg C and relative humidity of 15-90% non condensing
22	The unit shall be capable of operating continuously in ambient temperature of 0-40 deg C and relative humidity of 15-90% non condensing

Schedule: 2

SI NO.	Ophthalmic ND: YAG Laser- 1064 nm
1	Laser wavelength 1064nm,
2	Structure Mode: super-Gaussian/ Fundamental for highly precise beam profile.
3	Optical breakdown 3 mJ or less in air.
4	Pulse duration ≤ 4ns
5	Max. Laser energy 10mJ (Single Pulse), 23mJ(Double pulse) and 37mJ (Triple pulse)
6	Minimum Energy 0.3mJ – 10mJ(Single Pulse)

7	Energy levels: 22 steps
8	Pulse repetition frequency 2/3 Hz.
9	Focus diameter 10 micron in air
10	Cone angle/Angle of exit aperture 16 Deg.
11	Aiming beam Laser diode with 625nm-685nm wave Length , It should be with Four point aiming beam system for perfect focusing/ targeting with astigmatic disorders.
12	Aiming beam focus offset +/- 150 μm posterior & anterior focus shift.
13	Laser control unit can be separate or Integrated/mounted on the Slit lamp.
14	LASER SLIT LAMP :
15	Slit Lamp with 5,8,12,20,32x magnification changer with 10x eyepieces and straight tube f=140mm with PD adjustable 50-78mm.
16	Illumination : Halogen12V/30W;
17	Adjustable slit width 0-14mm continuous, Length 1/3/5/9/14mm.
18	Asymmetrical motorised table for height adjustment.
19	Should be USFDA or European CE approved product.
20	Operation Temperature : 0 - 40 deg C, RH: 15-90% non condensing
21	Storage temperature: -10 to 50 deg C, RH: 15-90% non condensing

Schedule: 3

Pneumatic Drill Machine for Neurosurgery

1 Description of Function

1.1 The drill system is required to saw, cut dissect, curette, abrade, carve and shape the skull bones and the vertebral bodies, bio-metal, bio-plastics, methacrylate, ceramics and the like.

2 Operational Requirements

2.1 Should run on N2 /gas/ compressed air.

3 Technical Specifications

3.1 Motor speed should be atleast 70,000 rpm, operating pressure upto 100-200 psi (variable)

3.2 Motor should be light weight, sleek for micro neurosurgery work under operating microscope (<200 gms).

3.3 Main motor unit should be detachable from air supply hose.

3.4 Straight and angled attachments of various lengths should be available for Cranial and Spinal surgery.

3.5 Keyless Change of hand piece with mounted tool should be possible with safety lock.

3.6 Motor should be converted to an angulated position with or without an adaptor.

3.7 Sound level should be very low less than 85db close to the operating field.

3.8 Quick coupling attachment should be available.

3.9 Sterilization through Flash or Regular steam autoclave.

3.10 Perforator driver with cutter should be available.

3.11 Should have Saw hand piece (reciprocating, oscillating and sagittal with saw blades) with same system. Foot control for variable speed.

3.12 Compatible low noise medical grade air compressor to run the machine optimally at the required psi

3.13 Irrigation pump should be available.

4 System Configuration Accessories, spares and consumables

4.1 Quote all Accessories including:

HANDPIECES (for micro Neuro surgical):

1 Straight hand piece short—1 no
2 Straight handpiece Medium—1 no
3 Straight handpiece long –1 no

4.2 CRANIOTOMY ATTACHMENT:

1 Craniotome handpiece 01
2 fixed duraguard adult 01
3 Fixed duraguard pediatrics 01

4.3 CRANIOTOME CUTTER (Bits):

1 Craniotome cutter (bits) pediatrics 20
2 Craniotome cutter (bits) adult 20

4.4 PERFORATOR:

1 Perforator driver 01
2 Cranial perforator, 9X12mm, Hudson type 02
3 Cranial perforator, 6/9mm, Hudson type 02
4 Hudson chuck 01

4.5 BURRS:

1 Rosen burr for medium hand piece 10
2 Diamond burr for medium hand piece 10
3 Diamond burr for large hand piece 5
4 Barrel burr for medium hand piece 10
5 Barrel burr for large hand piece 5
6 Acorn burr for small hand piece 10
7 Pin Point burr for medium hand piece 25
8 Twist drill for small hand piece 10

4.6 STORAGE AND MAINTENANCE:

1 Oil spray for high speed motor and hand pieces – 50 Nos.
2 Oil spray for perforator – 5 Nos.
3 Autoclavable Perforated basket with covering lid with holders for motors, all handpieces, hose, tools and all other accessories.

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 - 50deg C and relative humidity of 15-90%

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

6 Power Supply

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

7 Standards, Safety and Training

7.1 Should be US – FDA or European CE approved product

7.2 Manufacturer should have ISO or equivalent certification for quality standards.

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 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

Schedule: 4

Computerized cardiopulmonary exercise testing system with treadmill for humans

A PHYSIOLOGY TEST SYSTEM

1. The unit should be a compact unit for spirometry and allied parameters, mounted on a suitable trolley.
2. The system should measure VO2, VCO2, RQ, VE, spirometry/ flow volume, AT etc.
3. The system should be interfaced to computer (latest configuration) with 17" Colour LCD/TFT monitor, printer
4. The system should have a fully automatic and computerized volume calibration system.
5. The system should measure Nutritional parameters.
6. The system should have a bidirectional volume sensor with the following specifications:-
   (i) Volume: 0 to 10 lit.
   (ii) Accuracy: 2% for volume 0-2.5 ltr and 50 ml for volume above 2.5 ltr
   (iii) Resolution: 3 ml
   (iv) Flow: 0 to 15 l/s
7. System should have oxygen & CO2 analyser with response time less than 150 m secs.
8. The system should record data breath by breath and intra breath.
9. The system should have a unit to automatically detect ambient conditions such as pressure, temperature, and humidity.
10. It should have a 12 channel ECG unit integrated into the system.
11. It should be interfaced with a treadmill system (Specifications of treadmill enclosed).
12. A suitable interpretation program/software to evaluate the test results should be available.

B SPECIFICATION OF TREADMILL

1. The new generation of treadmills especially designed in accordance with high safety and quality requirements in Pneumology, Cardiology, Stress Testing, Endurance Training, Rehabilitation, sports Medicine as well as in Medical Fitness Training.
2. For safety purposes the unit should be equipped with an emergency switch which stops the treadmill at any stage of operation, and which switches the WHOLE system powerless.
   (i) Speed: adjustable from 0 - 22 km/h
   (ii) Resolution: 0.5 %
   (iii) Motor power: 2 kW
   (iv) Motor: maintenance-free and efficient rotary current asynchronic motor (CE mark) with V-belt, low noise and smooth running
3. The following data should be recorded on-line:
   (i) Time [s]
   (ii) Speed [km/h]
   (iii) Elevation [%]
   (iv) Distance [km]
4. Power input to be 220-240VAC, 50Hz
5. System Configuration Accessories, spares and consumables:
   (i) 12 lead ECG CABLE-1no.
   (ii) Gel-5 bottles

C Standards, Safety and Training

1. Should be US FDA/ European CE approved product.
2. Calibration/Acceptance test certificate from the factory required.
3. Manufacturer/Supplier should have ISO certification for quality standards.

E Environmental Factors

1. The unit shall be capable of being stored continuously in ambient temperature of -10 50deg C and relative humidity of 15-90% non condensing
2. The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing

D Documentation

1. User/Service Manual in English
2. 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.

Schedule: 5

Flexible Cysto-Nephroscope (High End)

1 Description of Function

1.1 The Flexible Cysto – Nephroscope with employs an ultra-miniature digital video CMOS sensor placed directly at the tip of the endoscope that captures full-motion video images in digital format. Illumination of the surgical site is provided by white light LEDs that are built into the endoscope. This illumination technology eliminates the need for a separate high-intensity light source and related cables.

2 Operational Requirements

2.1 The Flexible Cysto-Nephroscope is used for transurethral and percutaneous nephroscopic procedures. It is ideal for bedside cystoscopy / office practice under local analgesia as well as during operating procedures and anaesthesia. Large working channel to accommodate full range of operating instruments for therapeutic applications. The flexible shaft, small outer diameter, and beveled, ultra-glide covered tip to provide minimal traumatic access. Should be suitable for gas as well as chemical sterilization.

3 Technical Specifications

3.1 Field Of View: 110 degree or better Length: 37 cm (approx) Direction Of View: Straight forward (zero to six degrees). Working Channel: 6.0 Fr or better Distal tip Diameter: 14.0 Fr (approx)

3.2 Compatible Accessories

(i) Grasping forceps – 2 Nos.
(ii) Biopsy forceps – 2 Nos.
(iii) Ball tip Fulgurating electrode 5 Fr – 2 Nos.
(iv) Luer Lock Y connector Biopsy port
(v) Soak disinfection tray
(vi) Cleaning brush – 2 Nos.
(vii) Appropriate rigid storage case

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 All consumables required for installation and standardization of system to be given free of cost.

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of **-10 to 50deg C and relative humidity of 15-90% non condensing.**

5.2 **The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing**

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 30 minutes back up.

7 Standards, Safety and Training

7.1 Should be US-FDA or European CE approved product

7.2 Manufacturer/Supplier should have ISO certification for quality standards.
7.3 Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part2- particular requirements for the safety of Haemodialysis equipment.
7.4 Comprehensive training for lab / OT staff and support services till familiarity with the system.
7.5 **Comprehensive warranty for 5 years and 5 years CMC after 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 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out

Schedule: 6

PNCL SET

1 Operating telescope with laterally offset eyepiece, 6 deg. or 12 deg or 30 deg, 14 Fr - 14.5 Fr working channel dia., automatic valve with sealing Membrane and sealing cap – 01
2 Outer sheath from 20.8 Fr - 25 Fr round, distal tip straight, with swiveling irrigation Connector and automatic locking mechanism - 01
3 Amplatz sheath 20.8 Fr – 26 Fr suitable for nephroscopes with Sheath up to 24 Fr., WL 150 mm – 01.
4 Obturator, hollow - 01
5 Telescope dilator 9-27 Fr. consisting of: 1 hollow guide rod 6 Fr. and 7 telescope dilators 9- 27 Fr. - 01
6 Dilator 30 Fr. to fit over 27 Fr. dilator out 01
7 Stone grasping forceps, diam. upto 3.25 - 3.5 mm , working length 350 mm - 01
8 Three-pronged stone grasper, diam. 3.5 mm, WL 350 MM - 01
9 Stone forceps rigid, finely serrated jaws “peanut shape” 01

10 System consisting of the following (Price to be offered Separately)

10.1 High Definition Camera

a. Should have high definition video with 1920 x 1080p native output.
b. Standard Aspect Ratio 16:9 or better.
c. Over 1000 Lines Resolution with Progressive Scan
d. Electronic Flexiable Scope Filter
e. Multi Specialty Settings
f. Automatic Brightness Control
g. Full Digital Siginal Processing
h. Digital Zoom & Multi step Image Enhancer
i. White Balance, Digital Zoom and Brightness Level Control on Camera Head.
j. RGB,DVI,S-VIDEO & Composite Outputs

10.2 Xenon Light Source

a. 220 Volts, 300 watts Xenon Bulb with Elliptical Bulb Design, High color temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for color retention, Monitoring of lamp function. Bulb Life Counter on Light Source, Standby Mode, Universal Jaw Assembly to adapt any make of Fiber Optic Cable, Light intensity adjustment continuously adjustable from 0 to 100% manually.
b. Fibre optic light Cable

10.3 High Definition Monitor

a. Hi Definition Colored Monitor 26" Flat Panel Monitor, PAL system compatible Composite, S-Video and DVI inputs, Compact & Lightweight design Resolution over 1100 lines, Native Resolution 1280 x 1024 dots. The monitor should support Direct Fibre input. Should be of same make as HD camera

b. Indian or Imported video trolley should be provided to mount complete imaging system.

11. **Environmental factors**

a. The unit shall be capable of being stored continuously in ambient temperature of -10 - 50deg C and relative humidity of 15-90% non condensing.

b. The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing.

12. Standards, Safety and Training Standards, Safety and Training

Complete System Should be US – FDA/European CE approved product.

Schedule: 7
Uretrorenoscope

1. Description of Function

Minimally invasive Fibre optic, endoscopic instrument for diagnosis and treatment of diseases of ureter and kidney.

2. Operational Requirements

Integrated fibre optic semi regid ureteroenoscope for using in adult and paediatrics upper uurinary tract endoscopic surgery.

3. Technical Specifications

3.1 Long Arm (Working Length – 430 mm or more)

Autoclave with offset Eyepiece, Distal sheath tip 6.5 Fr. – 7.0 Fr. Atraumatic

Viewing angle 5 -10 degree with laterally placed eyepiece.

Dual independent operating channels for two instruments can be used simultaneously.

3.2 Long Arm (Working Length – 430 mm or more)

Autoclave with offset Eyepiece, Distal atraumatic tip 5.5 – 6.0 Fr. 5 -10 degree with working channel

of 4 Fr or more, Accessory instrument including irrigation channel and instrument port.

Can accommodate biopsy and grasping accessory instruments.

3.3 Ultrathin Ureterorenoscope

The ureterorenoscope should be compact with distal tip size should not be more than 4.5 Fr.

Angle of view should be in between 5-10 degree

The uretorenoscope should have laterally eye-piece.

The instrument channel should be of 3 Fr. or more.

It should be autoclavable.

Stone removal forceps – 01

4. System Configuration Accessories, spares and consumable

4.1 System as specified-along with flexible fiberoptic light cable.

4.2 All consumables required for installation and standardization of system to be given free of cost.

4.3 Appropriate formalin chamber.
Should be supplied with compatible LED light source with minimum 150 watt or more power.

5 Environmental Factors

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

5.2 The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing.

6 Power supply

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

7. Standards, Safety and Training

7.1 Should be European CE or USFDA approved product.
7.2 Manufacturer/Supplier should have ISO certification for quality standards.
7.4 Comprehensive warranty for 5 years and 5 years CMC after warranty.
7.5 Comprehensive training for lab staff and support services till familiarity with the system.

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.

Schedule: 8

FIBEROPTIC PHOTOTHERAPY

1. Equipment should be light weight and portable, mounted on a sleek and compact trolley (wt<3.5 Kg including fibreoptic pad)
2. Fiberoptic lightpad of approx size 10 x 20 cm (light-emitting area)
3. Fiberoptic Cable Length: Approx 150cms (+/- 10cm)
4. Irradiance should be minimum 25 µW/cm2/nm in normal mode and 45 µW/cm2/nm in intensive mode peaking in wavelength range of 440-460nm
5. LED module estimated life of approx 8000-10000 hrs
6. Noise level:<45 db(A) at 1 meter
7. Manuals: Operator manuals, service manuals in English.
8. Warranty should cover all parts including bulb and fiber-optic cable.
9. Price of spares after the warranty period to be quoted separately.
10. The prices of spares should be valid for 5 years after warranty.
11. Onsite demonstration of equipment, if called for by the expert committee.
12. Quotation must include a compliance statement.
13. Should be supplied with sterile pad covers (no. 10 with each equipment)
14. Equipment should be European CE or USFDA Certified.
15. Should comply with Electrical safety conforms to standards for electrical safety IEC 60601-1
16. Should operate on power input of 220-240 V AC, 50Hz fitted with Indian plug.

17. The unit shall be capable of being stored continuously in ambient temperature of -10 50deg C and relative humidity of 15-90% non condensing.
18. The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing.

Schedule: 9

Equipment Specifications for DELIVERY BED

1 Description of Function

1.1 Delivery bed is used for Baby Delivery and should incorporate ideal blend of the patient's individual requirements on comfort and the professional needs of the delivery team,

2 Operational Requirements

2.1 Delivery bed should be supplied with all accessories as mentioned in the technical specifications.

3 Technical Specifications

3.1 Delivery Bed Should have following essential specifications:

1•It should have control devise for making height (44cm to 90cm) and back adjustments.[manual as well as remote control].
2• It should have collapsible side rails
3• It should have three sectional mattress and seat section should have large perineal cut. The mattress thickness should be 50mm or more.
4• Head board and food section can be detached or slides and stores under the bed.
5• Should have wheels (dia- 6" or 8") provided with locking system.
6• Should have retractable foot section with indication for locking, so as to convert bed into table.
7• Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed.
8• Should have adjustable leg rests available as an accessory
9• Should have push grip handles
10• Should have sliding stainless steel bowl at perineal part of table
11• It should have catheter bag holder which can be attached on either side of bed
12•It should be able to give trendelenburg, reverse trendelburg and 60 degree sitting position both mechanically and electronically.
13• It should have adjustable foot supports for nursing staff
14• It should be easy to clean, sterilize (especially blood stains) and maintain
15. Frame should be of epoxy powder coated steel
16.Dimensions - Length: Minimum 180 cm and width: Minimum 75 cm
17. Pelvic tilt: – 15 degree.
18. Should have easy slide calf supports swing into correct positional lock with single lever.
19. Should have CPR release.
20. Weight capacity: 200 Kg (Approx)
21. Height adjustable a pair of knee crutches

4 System Configuration Accessories, spares and consumables

4.1 All consumables required for installation and standardization of system to be given free of cost.

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and relative humidity of 30-90%

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 Should be European CE or US FDA approved product.
7.2 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation
8.1 User/Technical/Maintenance manuals to be supplied in English
8.2 List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual
8.3 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
8.4 List of important spare parts and accessories with their part number and costing
8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Schedule: 10

Non-invasive ventilator

Technical Specifications
1. IPAP 4 to 30 cm
2. EPAP 4 to 25 cm
3. Breath rate upto 50 BPM with spontaneous for time mode
4. Timed inspiration 0.5 to 3.0 sec
5. Rise Time 100 to 600 msec
6. Leakage compensation
7. Modes:- CPAP withPS, Biphasic pressure control, apnea backup
8. System should be supplied with all reusable accessories
9. Power input to be 220-240VAC, 50Hz fitted with Indian plug
10. UPS of suitable rating with voltage regulation, spike protection and maintenance free batteries for 60 minutes back up
11. Should be USFDA or European CE approved product.
12. Comprehensive training for lab staff and support services till familiarity with the system
13. User/Technical/Maintenance manuals to be supplied in English.
14. List of important spare parts and accessories with their part number and costing.
15. List of Equipments available for providing calibration and routine Preventive Maintenance Support as per manufacturer documentation in service/technical manual.
16. Certificate of calibration and inspection
17. The unit shall be capable of being stored continuously in ambient temperature of -10 - 50deg C and relative humidity of 15-90% non condensing.
18. The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing.

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

Schedule: 11

I.C.P MONITORS

1. Measurements of Intracranial pressure at the source-subdural, parenchymal or intraventricular levels.
2. Delivers an ICP waveform, digital CPP, ICP and ICT readouts.
3. Provides continuous recording and display of ICP and CPP values over the most recent 12 or 24 hour period.
4. Can be bedrail or pole mounted, and connected to hospital bedside monitoring systems.
5. On –screen user instructions.
6. One-touch key operation.
7. Continuous display of ICP parameters.
8. Reusable micro sensor transducer & cable (5 nos.).
9. Rechargeable 3-hour battery operation for patient transport.
10. Compatibility with patient monitors from different manufacturers.
11. Audible and visual low-battery alert functions.
12. User-programmable means ICP alarms.
13. Two-minute alarms suspend function.
14. Adjustable LCD lighting display.
15. Integral pole clamp.
16. The model offered should be European CE or USFDA approved
17. The unit shall be capable of being stored continuously in ambient temperature of -10 50deg C and relative humidity of 15-90% non condensing.
18. The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing.

Schedule: 12

STRETCHER TROLLEY

1 Four imported swivel, non rusting, 125 mm diameter, 2 diagonal locking
2 Synthetic rubber handles
3 Two sections removable stretcher top with backrest on ratchet.
4 Two provision for IV rod
5 Fitted with swing down railings
6 Suitable rexine covered mattress
7 Pretreated & powder coated.
8 Over all size - LXWXH - 2100x700x785mm
9 Height adjustment: 540mm to 785mm
10 Trendelenburg: 9 deg
11 Reverse Trendelenburg: 4 deg
12 Removable x-ray permeable stretcher top provided with x-ray cassette holder for the entire length underneath the stretcher.

13 Should have central locking facility
14 Should have directional locking castors.
15 Should have facility of oxygen cylinder Holder of utility tray.
16 Should be CE or BIS approved product.

Schedule: 13

Colonoscope with Videoscope

1 Colonoscope

a Outer diameter - 11-13 mm
b Field of view – 120 deg or more
c Depth of field - 3-100 mm
d Angulation of tip -
  (A) Upwards –180 deg or more
  (B) Downwards –180 deg or more
  (C) Right –160 deg or more
  (D) Left – 160 deg or more
e. Inst. Channel - 3.2-3.8 mm
f Three or more remote switches on body of scope to control various functions. Each switch should be nameable i.e. defined function can be assigned to any of these switches.
g Automatic scope identification system with compatible video processor.
h The system must be suitable for high resolution , high magnification images of GI tract with facility to provide images with optical chromo endoscopy
i Should be compatible with video processor for other endoscopes
j Provision of water jet functions.
k. Also provide following accessories:
  (A) Endoscopic Biopsy Forceps - 2 Nos
  (B) Polypectomy snare Hexagonal & Oval Rotatable - (Two Packs of 10each)

2. Video processor and light source for endoscopy - 1 Nos
  a. Xenon light source 300 watts or more
  b. Emergency back up lamp- Halogen 100 watt or more
  c. Automatic brightness control
  d Video signal output: RGB, Y/C, Composite, DVI or DVI-D, HD-SDI
  e. Facility for color tone adjustment in multiple steps
  f. Facility for image size selection at different levels
  g. Automatic gain control
  h. Automatic scope identification system with compatible scopes

3. Video Cart (Imported) 1 NOS
  a Space to accommodate a LCD video monitor (24” or more in size), video processor, light source.
  b Double scope hanger
  c Suitable plug point

4 Colour HD Video Monitor for video processer- 1 No
  a Resolution (horizontal) – 1920x1080 or more
  b Options for picture adjustment namely chroma, brightness, contrast, phase etc.
  c Screen size – 24” or more
  Should have video inputs: RGB, Y/C, Composite, DVI or DVI-D, HD-SDI.

5 Reporting work station 1 NOS
  a Computer with latest specifications and latest window operating system and DVD writer. It should have HD of 1TB or more with UPS of one hour backup
  b Software to record and edit video or high resolution still images
  c Color laser printer with a spare Cartridge

d Suitable Table for accommodating these parts

Environmental factors

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

5.2 The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing

Standards, Safety and Training

7.1 Should be US – FDA/European CE approved product

Schedule: 14

Upper GI Endoscope

1 Upper GI Endoscope

a Outer diameter - 8-9.5 mm

b Field of view – 120 deg or more

c Depth of field - 3-100 mm or more

d Direction - Forward viewing

e Angulation of tip :

(A) Upwards – 0 to 210° or more

(B) Downwards – 0 to 90° or more

(C) Right – 0 to 100° or more

(D) Left – 0 to 100° or more

f Instrument channel - ≥ 2.8 mm

g Three or more remote switches on body of scope to control various functions. Each switch should be nameable i.e. defined function can be assigned to any of these switches.

h Automatic scope identification system with compatible video processor.

i Water bottle, which is attached to the scope for air & water

j Standard accessories

(A) Endoscopic Biopsy Forceps (Reusable) – 2 Nos

(B) Cleaning brush - 10 Nos

(C) Over tube - 1 No

(D) Foreign body forceps (Three each)

1 Rat tooth alligator jaw

2 Rat tooth Rubber tip

3 Basket type foreign body remover

(E) Celeston Esophageal dilators - 1 Set

(F) Extra Xenon bulbs - 1 Nos

(G) Extra Water bottle - 1 No

(H) Extra suction and Air water buttons - 2 each

(I) Biopsy channel valves - 2 packs of 100 each

2 Video processor and light source for endoscopy - 1 Nos (Optional-Price to be quoted separately)

a. Xenon light source 300 watts or more

b. Emergency back up lamp- Halogen 100 watt or more

c. Automatic brightness control

d Video signal output: RGB, Y/C, Composite, DVI or DVI-D, HD-SDI

e. Facility for color tone adjustment in multiple steps

f. Facility for image size selection at different levels

g. Automatic gain control

h. Automatic scope identification system with compatible scopes

j. The endoscope system must be suitable for high resolution; high magnification images of GI tract with ability to detect early cancers and pre-neoplastic lesions by optical

enhancement of images. The system must have the facility to provide images with optical chromoendoscopy.

3 Video Cart (Imported) 1 NOS (Optional-Price to be quoted separately)

a Space to accommodate a LCD video monitor (24" or more in size), video processor, light source.
b Double scope hanger
c Suitable plug point

4 Colour HD Video Monitor for video processer- 1 No(Optional-Price to be quoted separately)

a Resolution (horizontal) – 1920x1080 or more
b Options for picture adjustment namely chroma, brightness, contrast, phase etc.
c Screen size – 24" or more
Should have video inputs: RGB, Y/C, Composite, DVI or DVI-D, HD-SDI.

5 Reporting work station 1 NOS (Optional-Price to be quoted separately)

a Computer with latest specifications and latest window operating system and DVD writer. It should have HD of 1TB or more with UPS of one hour backup
b Software to record and edit video or high resolution still images
c Color laser printer with a spare Cartridge
d Suitable Table for accommodating these parts
10 Suitable on line UPS with 30min. battery backup for complete system except for computer system to be provided.
11 The unit shall be capable of being stored continuously in ambient temperature of -10 - 50deg C and relative humidity of 15-90% non condensing
12 The unit shall be capable of operating continuously in ambient temperature of 0 -40 deg C and relative humidity of 15-90% non condensing
13 Complete system should be European CE or USFDA approved.

Schedule: 15

	Defibrillator
1	**Description of Function**
1.1	Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.
2	**Operational Requirements**
2.1	Defibrillator should be Bi- Phasic, light weight and latest model
2.2	Should monitor vital parameters and display them
2.3	Should print the ECG on thermal recorders.
2.4	Should work on **both** Manual and Automated external defibrillation (AED) mode up to **200 J or more.**
2.5	Should be capable of doing synchronized & asynchronized cardioversion
2.6	Can be operated from mains as well as battery
2.7	Should have defibrillator testing facility
3	**Technical Specifications**

3.1	Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to arrest all arrhythmia within a maximum energy of **200 Joules.**
3.2	Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles. Should have **Automatic or Manual Lead switching** to see patient ECG through paddles or leads
3.3	Should measure and compensate for chest impedance for a range of 25 to 125 ohms
3.4	Should have a built in 50mm strip printer/ thermal recorder
3.5	Should have charging time **of less than 6 seconds** for maximum energy. Charging indicator should be there.
3.6	Should have bright **LCD / TFT display** for viewing messages and ECG waveform of 4 seconds
3.7	Single Adult and pediatric paddles should be available. **Internal paddles should also be available and price to be quoted separately.**
3.8	Should have event summary facility for recording and printing at least 120 events and 50 waveforms. Patient data storage 90 mins of ECG and events.
3.9	Should have a battery capable of usage for at least 90 minutes or 30 discharges.
3.10	Should be capable of printing Reports on Event summary, configuration, self-test, battery capacity etc
3.11	Should have facility for self-test/check before usage and set up function
3.12	Should have **SPO2** and **EtCO2** integrated facility.
3.13	Should be capable of delivering energy in increments steps from 1-200.
3.14	Should have user friendly 1,2,3 color coded operation.
3.15	Voice prompts on AED mode
3.16	Printing reports of events summary configuration/set test/ battery capacity
3.17	Non-invasive pacing/ transcutaneous pacing as Standard
4	**System Configuration Accessories, spares and consumables**
4.1	Defibrillator -01
4.2	Paddles Adult/Paediatric (pair) -01
4.3	Paddles –Internal (pair) -01(optional prices should be quoted separately)
4.4	Patient cable -02
4.5	ECG Rolls -50
4.6	Disposable pads-10 nos.
4.7	Reusable SPO2 Finger Probe-Adult -02 Reusable SPO2 Paediatric Finger Probe - 02
4.8	Complete set of ECG Leads- 02
5	**Environmental factors**
5.1	The unit shall be capable of operating continuously in ambient temperature of 10 -400 C and relative humidity of 15-90%
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%

5.3	Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
6	**Power Supply**
6.1	Power input to be 220-240VAC, 50Hz
6.2	Resettable overcurrent breaker shall be fitted for Protection
7	**Standards, Safety and Training**
7.1	Should be **USFDA or European CE** approved product
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms. (OR EQUIVALENT BIS Standard)
7.3	Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.
7.4	Should meet IEC 529 Level 3 (IP3X)(spraying water)/**Level IPX1** for enclosure protection, water ingress.
7.5	Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
8	**Documentation**
8.1	User Manual in English
8.2	Service manual in English
8.3	List of important spare parts and accessories with their part number and costing
8.4	Certificate of calibration and inspection from factory.
8.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
8.6	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
8.7	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
8.8	Must submit user list and performance report within last 5 years from major hospitals

Schedule: 16

Phaco Emulsification System

Used in multi-surgical fragmentation and aspiration of the lens matter of the eye:

1 Pump: Peristaltic digital pump

2 Fluides: Closed Fluidic system
Maximum Vacuum range: 500mmHg or more
Aspiration > 40cc/mm
Vacuum and Aspiration control linear or panel in peristatic system
Reflux gravity fed/ controlled by foot pedal
Automated 1/V pole > 115cm or manual

3 Ultrasound: hand piece with 4-6 quartz crystals to deliver 28-40KHz frequency for consistent power
Hand piece to be compactable with both straight and bend tips and non linear ultrasound mode of delivery
Linear, burst, pulsed modes
Micro pulse with pulse shaping technology
Micro pulse technology to be available in both continuous mode of ultrasound and within pulse mode of ultrasound power system
Phaco pulse frequency setting and duty cycle to be adjustable
Hand piece to drive programmed duty cycle pulses
Shorter, longer pulses and power pulses with adjustable numbers of pulses
Occlusion mode may be programmable or pre-programmed

4 Tube Packing Option
Autoclavable Tubes – 20 nos. or Disposable cassettes -150 nos.
If disposable packs 250 cost of 150 to be included

5 Anterior Vitrectomy probe with variable cutting and maximum cutting rate at least 600 cuts per minute
Vitrectomy Probe to be reusable oscillating/guillotine style -1 no. autoclavable probe or **8 nos. disposable probe to be supplied**
Foot pedal control

6 Diathermy Specification
Power adjustment: 5-100% in 5% increments
Power: Min of 7 Watts.
Frequency >35 KHz
Unipolar/ bipolar

7 LCD Display of Phaco emulsification power &vacuum rates

8 Memory: for different surgen's parameters

9 Foot Pedel- Programmable detents and side switches

10 20 laminar flow or equivalent tips to be provided (10 tips of 15° and 10 tips of 30°)

11 Compactible sleeves and test chambers 100 Wrench- 3

12 Online UPS to be supplied (At least 2 KVA with a minimum backup of 1 hr)

13 US FDA or European CE approved

14 Latest compatible model to be quoted

15 2 hand pieces, 20 autoclavable fluidics tubing packs or 150 disposable cassettes, 20 laminar flow tips and sleeves and 05 high speed Vitrectomy anterior cutter

16 2 years of warranty and 5 years CMC after warranty

17 Companies may quote unit price for all consumables separately for consideration of buying now and fix the price for warranty and CMC prices

Schedule: 17

High Frequency X Ray Unit 800mA

X Ray Generator:
High frequency X Ray generator for radiotherapy
Power output of generator should be 64KW or more
mA Range (Rad): 800mA
KV Range (Rad): 40 to 150 kVp
Exposure time (rad): at least 1ms to 3Sec
It should be able to deliver up to 800mAs or more

Control:
It should be compact, touch control panel having following functions:
The panel should be floor/wall mounted with spill proof design
Digital display of KV, mA &mAs
Tube focal spot selection switch
Application selection switch for various application like table operation/vertical Bucky/and applications without grid etc.
Anatomical programing radiography (ie, APR) should be provided in which KV and mAs are automatically selected depending upon the physique of the patient and part of the part of the body to be x rayed.
A dual action hand switch with retractable cord should be provided for Radiation Protection of Operator. There should be provision for corded or cordless exposure switch also.

X Ray Tube:
One No. rotating anode, dual focus thermally protected having focal spot 0.6 & 1.2mm.
Anode heat storage capacity of the tube should be 300 KHU or more
One No. motorized collimator

Tube Stand:
3D ceiling suspended tube stand must be actuator based to provide a noiseless and swift up/down movement of the tube head.
The x ray tube can be moved to any position of the room.
It should have six way movements (longitudinal, transverse &vertical).
Tube head rotation (Along its axis): +90deg.
Tube head rotation (along with column Axis): +90deg.
SID display should be available
Provision of auto centring table Bucky centring. Electromagnetic locks and collision Protection sensor should be available for safety purpose

Table:
Floating table with 6 way movement of the table top should be provided. Table top be should be of carbon fibre material.
Longitudinal movement of table top should be more than 400mm & transverse movement should be more than 160mm. It should have height adjustment facility.
The table should consist of motorized Bucky with grid of size17 ¼'' x18 7/8" And of ratio 8:1/10:1,85lines/inch or more.
The Bucky should cover the entire of the table and should be locked at any desired position by an electromagnetic lock.
The table tope should be made of low radiation absorption waterproof material
Table accessories like stainless steel cassette tray, compression band should be provided

Vertical Bucky:
Vertical Bucky stand should be with Oscillating Grid of Ratio 8:1 / 10:1, 85 lines or more. The Bucky should move up and down & is equipped with a stainless steel cassette tray. This stand should be floor mounted type and can accommodate cassettes up to 14" x 17"

Other requirements:

One no. Servo Voltage stabilizer with spike suppressor 150 KVA. (Make, Model should be specified & Price to be quoted separately).
Lead free apron -3nos
The company should be ISO-9001:2008, ISO-13485:2003 company with CE certified products
The unit should have AERB type approval certificate
The firm shall carry out quality assurance test of the machine in two years interval
The company should have a local service centre
The company should have a proven track record in Govt. sector
5 year for comprehensive guarantee for complete system including X ray tubes
CMC charges should be quoted for 5 year after completion of warranty
Lead glass for control room 50x50cm
2 split AC 1.5 ton

Product Data Sheet:

All specifications to be provided with original product data sheet. All technical specification should be supported with original data sheet highlighting the page number in the compliance sheet. Photocopy/computer print will not be accepted

Schedule: 18

ENT TREATMENT UNIT

1	Should have spacious instrument cabinet with surface in at least two planes with removable containers
2	Storage compartment and space for function modules
3	Suction system adjustable automatic on and/off switching
4	Suction rinsing system for cleaning the nose system
5	Compressed air system, adjustable should be integrated into the unit
6	Warm water irrigation system with temperature display should be integrated in main unit, water heater up to 37 degree, indicator available, irrigation with the meter gauge
7	Mirror pre heater
8	X-Ray viewer
9	Should have endoscope management facility. (a) Heated quivers for 3 rigid & one flexible endoscope (b) Disinfection time monitoring tanks for 3 rigid & one flexible endoscope
10	Endoscope 90 degree,5.5mm x 50cmfor Laryngoscope autoclavable-One No
11	0 degree 4 mm Nasal endoscope autoclavable-One No Working length 170mm or more, field of view: 100deg or more, fibre optic light transmission incorporated
12	30 degree 4 mm Nasal endoscope autoclavable-One No Working length 170mm or more, field of view: 100deg or more, fibre optic light transmission incorporated
13	0 degree 1.9 mm to 3 mm, length 60 mm to 75 mm Oto-endoscope (Autoclavable)-One No
14	Single chip camera head with camera control unit-One No
15	Monitor 22"LED-One No, Should be medical grade with resolution of minimum 1280x1024
16	Cold Light fountain Halogen 250 watts. Built in spare lamp. Light intensity adjustable in 3 step-One No.
17	Fibre optic light cable dia 3.5 mm, length 180 cm-2 No.s
18	Head light -One No
19	Batter operated head light-One
20	Spraying device with a built in automatic micro switch and spray directly coupling with compressor motor for nasal and laryngeal spray

21 Doctor's Chair pneumatic operated with 4 to 5 wheels with break

22 Patient chair - Electrical operated ENT examination cum treatment chair electrical/hydraulic height adjustment with foot switch control. The upper part of the chair should be swivelling all around and inside by a brake. The tall back rest is adjustable forward beyond vertical line and backward adjustable to varying degree to the desired position even slightly more than horizontal line-changing into a long and stable couch. The arm rests should be sturdy and can be swivelled off backwards. Width 60 cm or more.

23 Power supply 220-240V/50Hz

24 There should be provision for upgradation

25 The model offered should be USFDA or European CE approved

Schedule: 19

Operating Hysteroscope with accessories

1. CAMERA CONTROL UNIT & CAMERA HEAD

High definition Three chip Endoscopic camera system should have following features:

a) Digital HD technology

b) Progressive Scan

c) Camera control unit with three chip HD camera head having HD CCD chip of same aspect ratio of 16:9 and camera control unit should be able to produce following video output: DVI-D-2 nos, RGB-1 no. SDI – 1 no, S-VHS-2 nos, Composite Video – 1 no.

d) Three chip camera head should produce at head itself Pure Digital Signal with High Definition video (1920 * 1080P) with aspect ratio of CCD chip and video format of 16:9 or 16:10.

e) System should have integrated Parafocal Optical Zoom (F should not be less than 12 mm and upper range should not be less than 30 mm, 2 X) to enhance image size and focus lens/rings to make it fully soakable and waterproof.

f) System should be able to optimize all the settings and should be ready as soon as connected to camera control unit.

g) Three Chip Camera control unit should be compatible with all the tree chip camera head and the company should provide standby facility within 48 hours of breakdown.

h) Should be compatible for remote controlled operation of various features

i) Camera should be suitable for both Laparoscope, Hysteroscope & Resectoscope

j) Should have integrated gain, shutter, Enhancement, white balance with brightness control.

k) All camera functions to be controlled from camera head buttons and through key board at camera control unit to make it controllable from both sterile and non-sterile zone

l) Technical Specification:-
Image Sensor CCD Chip
Pixels 1920 x 1080
AGC Microprocessor controlled
Lens F14-30mm
Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D Socket, HDTV-DVI-D, DV for recording

m) Input Key Board for Character Generator, 5 pole Din

2. High Definition Medical Grade Monitor

Two Wide Screen Monitors having the following features:

a) HDTV Display in 16:10 HDTV format.

b) LCD/LED Crystal display

c) 26" High Resolution HD video Medical grade monitor – 2 nos
d) Resolution: 1920 x 1200 pixels
e) SDI/HD-SDI, Composite, S-Video RGB, DVI-D, VGA input, S-VHS – 2 nos, should also have same video output.
f) All required cables and connectors, which should be specified
g) TFT screen stand/Fixtures for connecting to pendant system/Ceiling Light Arm
h) Dustproof and Drip Water Protected
i) Fast response time: (5-12ms)
j) Number of colours: 16.8 million
k) Luminance: 500cd/m2, contrast ratio: 800:1
l) Vertical/Horizontal Viewing angle: 178 degree

3. LIGHT SOURCE

a) Xenon 300 watts
b) Manual and automatic adjustment of light intensity
n Lamp life 500 hrs or more with at least one spare bulb
d) Display of lamp life/Bulb usage meter warning light
e) Standby mode with emergency lamp with visual indicator
f) Long (250 cm or more) fluid and fibre-optic light cable of diameter 4.8-5 mm
g) Light weight
h) Certified for National International safety standard normal
i) Should be able to produce colour temperature of 6000K.

4. VIDEO- CART (Should be from the same manufacturer)

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
d) Adjustable arm for fixation to either side for fixing the TFT monitor
e) One drawer unit with lock and key
f) Cable Manager
g) Power box with concealed wiring for providing electrical connections of proper rating to all the units

5. INSUFFLATOR

a) Fully automatic, electronically controlled gas fill
b) Flow rate of 20-30 litres per minute
c) Optical and acoustic warning signals in case of malfunction or excessive pressure
d) Connectible to medical gas pipeline
e) Control by keys on front panel
f) Clear and adjacent display of actual and preset flow rate, actual and preset pressure, gas consumed
g) Facility for filtering preheating of gas to body temperature
h) Facility for easy evacuation of smoke and mist
i) Memory for retention of previous pressure settings
j) Should include high pressure hose pin-index connection to smallbig cylinder with regulator, mains cord, silicone tubing set with luer lock, universal wrench and gas filter

6. CARBON DIOXIDE CYLINDER (type-B)

Large size cylinders with required regulators and connecting pipe to the insufflator (Type-B) – 2 nos

Gas tubing – 4

7. Sterilization/Disinfection Tray:

Disinfection/Sterilization tray with sieve, tray to lift Size: 27"X7"X5" (LXBXD) – 04 nos

8. Formaline Chamber (Imported / Indian make)

Formaline Chamber made of Virgin Acrylic 4.5mm thickness; size : 26"X8"X8" (LXBXH) with three tray, for sterilizing the Hysterescope– 04 nos.

9. Suitable autoclavable plastic tray double tray for sterilization and storage for hand instruments of minimum 20 hand instruments preferably from OEM – 04 nos

10 **HYSTEROSCOPE TELESCOPES STANDARD –**

a. Operating and Contact-Hysteroscope Forward-Oblique Full HD Telescope 30°, enlarged view, magnification 1x, 60x, diameter 4.0 mm, length 30 cm, autoclavable, fibre optic light transmission incorporated,- 1 no

b. Forward-Oblique Telescope 30°, enlarged view, diameter 4.0 mm, length 30 cm, autoclavable, fibre optic light transmission incorporated - 1 no

10.1 Diagnostic Sheath with obturator 5mm diameter for the above 4 mm Hysteroscopetelescopes (itemA), with luer lock adapter

10.2 Continuous irrigation Operative Hysteroscope Sheath with obturator, outer and inner sheath for the above 4 mm hysteroscope telescope (item A) with channel for semi-rigid 5/8 fr size instruments. Should have facility for self-closing sealing system for precise irrigation.

10.3 Accessories

Hysteroscopy flexible / semi rigid instruments which should be adaptable to above sheath (item C), 5/8 fr. Diameter-

a. Foreign body grasping forceps.
b. Scissors-Scissors semi rigid, blunt tips, 5 Fr., length 33-36cm, single action jaws-2 nos
c. Scissors semi rigid, pointed jaws, 5 Fr., length 33-36cm, single action jaws, semi-rigid – 2 nos
d. Biopsy and Grasping forceps - Biopsy- and Grasping Forceps semi rigid, 5 Fr. , length 33-36cm, double action jaws -2 nos
e. Punch Forceps - Punch through Cutting semi rigid 5Fr, length 33-36cm- 2 nos
f. Tenaculam grasping forcep, semi rigid, size 5Fr, length 33-36cm 2 nos
g. Needle electrode and ball electode-Unipolar – high frequency cords of any make should be compatible with the above equipment
h. Bipolar vaporizing electrode – high frequency cords of any make should be compatible with the above equipment
i. Myoma fixation screw
j. Palpation probe
k. Polypectomy loop

11. **Resectoscope** including connecting tube for inflow and outflow for the above 4 mm hysteroscope telescope (item A)complete with continuous irrigation double sheath system, i.e outer flow and rotating inner tube with ceramic insulation distal tip,withobturator to be quoted along with working element and complete set of electrodes and 2 set of HF cables

All electrodes and Collin‟s knife to be bipolar/unipolar (as per requirement) to be quoted with appropriate cautery

ACCESSORIES FORRESECTOSCOPE FOR TCRE UNIPOLAR AND BI-POLAR SET

12. UNIPOLAR WORKING

a. Unipolar Working Element to be used with 26FR Resectoscope sheath: Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope - 1 no

b. CUTTING LOOP ELECTRODE FOR UNIPOLAR
Cutting loop 24 Fr - 12 nos

c. STRAIGHT CUTTING ELECTRODE FOR UNIPOLAR
Forward angle/straight cutting loop 24Fr - 06 nos

d. ROLLER COAGULATING ELECTRODE FOR UNIPOLAR
Roller electrode Cylindrical diameter 3mm, 24Fr - 06 nos

e. POINTED ELECTRODE FOR UNIPOLAR
Pointed electrode/Collines HF knife electrode, 24Fr - 06 nos

f. VAPOR CUTTING ELECTRODE UNIPOLAR
VAPOR CUTTING Electrode, 24Fr - 06 nos

g. SPIKE ELECTRODE UNIPOLAR
SPIKE Electrode 24Fr, size 3mm diameter, 24Fr - 06 nos

13. BIPOLAR WORKING ELEMENT SET

a. BIPOLAR Working Element to be used with 26Fr Resectoscope sheath: Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope. Should work in saline - 01 no

b. BIPOLAR CUTTING LOOP
BIPOLAR Cutting loop 24 Fr should work in saline - 6 no

c. BIPOLAR CUTTING LOOP SMALL
Cutting Loop 24Fr, bipolar, small should work in saline - 6 no

d. BIPOLAR ELECTRODE POINTED
Coagulating Electrode 24Fr, bipolar, pointed should work in saline - 6 no

e. BIPOLAR ELECTRODE BALL END
Coagulating Electrode 24Fr, bipolar, ball end should work in saline - 6 no

f. BIPOLAR LOOP STRAIGHT
Cutting Loop 24Fr, bipolar, straight should work in saline - 6 no

14. RESECTOSCOPE SHEATH FOR UNIPOLAR

Continuous Flow Resectoscope Sheath 26 Fr., including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, fixed inner tube, with ceramic insulation, for use with working element - 2 nos

15. RESECTOSCOPE SHEATH FOR BIPOLAR

Continuous Flow Resectoscope Sheath 26 Fr., for Bi-Polar, including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, rotating inner tube, with ceramic insulation, for use with working element should work in saline - 1 no

16. OBTURATOR

Obturator, for use with the Resectoscope sheath - 2 nos

17. **FIBER OPTIC CABLE**

Fiber Optic Light Cable, diameter 3.5 mm, length minimum 300 cm - 2 nos

18. Hysteropump

a. Suction and irrigation system for use in hysteroscopy
b. Irrigation function is performed by electric pump
c. Maximum parameters for hysteroscopy are automatically set
d. Precise presetting of volume and pressure of suction and irrigation parameters via touch keys.
e. Adjacent display scales for set values and actual value to ensure safe monitoring.
f. To be used with pressure regulated from 0 to 200mm of Hg, and flow rate regulated from 0- 500ml/min. Suction regulated to 0 to -50kPa. Power supply 100-240 VAC, 50/60 Hz, Mains cord.
g. Connecting cable 100 cm, one pedal foot switch.
h. hysteroscopic tubing set

i. Suction and irrigation tube, antireflex surface with two way stop cock for single hand control.
j. Suction bottle 1.5 l and 5 l, sterilisable with bottle stand and bottle stand holder.
k. Silicon Tubing set for suction, sterilisable.
l. Hysteromet should be from same manufacturer as of Hysterescope

19. **Electrocautery compatible with Laparoscope, Hysterescope&Resectoscope**

a. Should have unipolar cutting and coagulation as well as bipolar cutting and coagulation modes and have the facility of blending cutting and coagulation in different ratios and degree –soft, standard and/ or forced coagulation and spray coagulation
b. Arc controlled cutting with a pre selectable power of maximum of 200 watts in both unipolar and bipolar modes
c. Arc controlled coagulation with a pre selectable power of maximum of 120 watts in both unipolar and bipolar modes
d. Auto stop function with automatic power – off on completion of coagulation process.
e. Automatic start function for bi- polar coagulation. Should be operable both in hand and foot mode and should have hand control switch on the handle of the electrode. Bipolar application with irrigation with sodium chloride
f. Endoscopy mode with reduced voltage output for use with fine endoscopic electrodes.(micro function)
g. It should have automatic read out panel to display current being used and actual output at distal tip of electrode, simple operation due to clearly arranged control with easy to read symbols
h. Should be compatible with under water operative procedures
i. It should have neutral electrode monitoring through a patient contact system.
j. It should have automatic high frequency power cut off by auto coagulation stop and auto start facility
k. The unit should have the facility of self-testing for trouble shooting
l. Visual and acoustic signs of HF activation by different coloured indicators and different acoustic tones for cutting and coagulating
m. Unit should have safety monitoring circuit in event of malfunction for output monitoring. Neutral electrode connection .Automatic self-test and automatic power cut-off in event of malfunction. Ground leakage current(LF/HF) HF application time
n. Power supply 230VAC, 50/60 Hz.
o. The unit should be supplied with all standard accessories such as Electrode, Foot switch, Twin earth pad , bipolar forceps with Cord, Electrode Handle with switches , neutral plate, ball electrodes, Loop electrodes, variable output power for all types of currents

20. IMAGE MANAGEMENT SYSTEM

a) Documentation system for digital storage of still images, video sequences and audio files.
b) Latest processor & HDD, which should be specified
c) Largest possible RAM, which should be specified
d) Integrated DVD/CD writer with maximum speed which should be specified
e) Compact key board with drape
f) Cordless mouse
g) All types of connecting cables (BNC, DVI) and connectors, which should be specified
h) with all connectors and connection cables (BNC, S-VIDEO(Y/C), VGA), which should be specified
i) Separate mobile cart with lock and key for housing all the components of the image management system
j) It should be medical grade with touch screen monitor.

Full HD recording, Medical grade computer and Monitor, Touchscreen, Minimum 1 TB storage memory. It should have window based operating system, minimum Windows – XP.

21 System Configuration Accessories, spares and consumables

21.1 All consumables required for installation and standardization of system to be given free of cost.
Environmental factors

21.2 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.

21.3 The unit shall be capable of operating continuously in ambient temperature of 20-30 deg C and relative humidity of 15-90%

21.4 Log book with instructions for daily, weekly, monthly and quarterly maintenance check list. The job description of the hospital technician and company service engineer should be clearly spelt out.

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

22 Power Supply

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

22.2 UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

23 Standards Safety And Training

23.1 Should be USFDA or European CE approved product

23.2 Manufacturer should have ISO certification for quality standards.

23.3 Comprehensive training for lab staff and support service till familiarity with the system.

23.4 Comprehensive warranty for 2 years with no fault warranty in the first year and 7 years CMC after warranty including UPS.

23.5 Shall be certified to be meeting safety standard IEC-60601-2-18 part 2 particular requirements for the safety of endoscopic equipment.

24 Documentation

24.1 User/technical/maintenance manuals to be supplied in English

24.2 List of important spare parts and accessories with their part no. & costing.

24.3 Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para no. of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

24.4 Certificate of calibration and inspection

24.5 List of equipments available for providing calibration and routine preventive maintenance support, as per manufacturer documentation in service/technical manual.

Schedule: 20

Complete Micro Motor System for Trauma Care

Should have following:-

1. Main Control Unit

Operable Voltage 220-240Vac, heavy duty explosion proof

Hand and foot control with integrated irrigation system, control for speed and irrigation both.

Cable for Micro motor (sterlizable) & suitable attachment for irrigation bottle
2. Micromotor
Sterlizable, Microprocessor controlled, clockwise and anticlockwise movement, ideal running speed 40,000 RPM or better with following Attachments
(a) Separate hand pieces of Micro saw's i.e: sagittal Saw, Reciprocating, Oscillating drill CPM limits should be provided. CPM limits should be 15000 cpm or more for each of the drill types and 50 blades for each of the three attachments.
(b) Drill attachment for cutting burrs and polishing burrs of size 1-6mm to be provided, straight & angled, long & short – 2 each
(c) K wire attachment
(d) Jacobs chuck attachment
Offered Equipment should be European CE or USFDA approved.

Schedule: 21

Vascular Doppler

The next generation Vascular Doppler /Diabetic Doppler /Foot Doppler- a Table Top model is having facility of:-

Fully auto system with built-in cuff inflator facility,
Built- in LCD monitor with great audible sound,
Shows instructions on LCD display for ABI/TBI,
Automatic Ankle Brachial index (ABI) through ankle brachial Cuff,
Automatic Toe Brachial Index (TBI) through Toe & brachial Cuff,
Peripheral vascular procedures,
Blood pressure segmental studies,
Penile and digit systolic pressure,
Toe pressure studies by PPG probe,
Venous reflex assessment/studies by PPG probe,
Lower extremity study is available,
Upper extremity study is available,
Customized screen is available,
Individual waveform is available,
30 No. memory facility is available,
Bi- directional Doppler with real-time, visual wave form display,
Waveform as well as Numerical data display facility available,
Auto Gain control system is available,
Built – in thermal printer/recorder for immediate print out,
Built –in battery backup facility available,
Dual port machine to connect Doppler probe and PPG probe simultaneously and easy Selection for probe through touch panel only,
Wide selection of probes and frequencies (4, 5, 8, 10MHz, PPG and PV) are available,
USB computer interface and software available,
Various mode of settings through menu, zoomed pressure curve, adjustable BP cursor And short key is available,
Back Light and Auto shutoff system is available with machine,
ISO and CE certified

Machine shall be supplied with the items of :-

Vascular Doppler (Main Unit)

8MHz Bi-directional Doppler probe (standard probe)
PPG probe (photoplethysmograph)
Ankle/ brachial cuff,
Toe cuff,
Tube to connect with cuffs
Thermal paper-1 Roll,
Charger,
Interface cable,
CD software,
Jelly bottle,
Head phone,
User's manual,
Bag/ briefcase
Laptop Pentium 4/ core 2 Duo
Laser/ Inkjet color printer

Schedule: 22

Technical Specifications for Mobile Surgical C-Arm

State of Art fully integrated Mobile Surgical C-Arm unit with all the major components of the Unit viz. X-Ray Generator, X ray tube &, Image Intensifier should be from the same manufacturer. The unit
should have a good maneuverability for easy positioning during surgeries in OT, It should be a well -
balanced system, compact in design and must have the following System Configuration:

I. Mobile c Arm unit
2. Stationary Anode tube
3. 9" Image Intensifier
4. 19" LCD or bigger
5. DICOM Facility
6. DSA Facility

A. C Arm Unit

Fully integrated and counter-balanced C Arm with electro-magnetic locking mechanism for individual
Locking of all movements- All major components of the C-arm i.e. X-Ray Generator, X-Ray Tube &
11 TV should be from the same manufacturer. For better hygiene & Sterility, all the C-arm cables
Should preferably be concealed in the body of the C-Arm.

B. X-ray High Voltage Generator

- Inverter generator with inverter frequency of not less than 40 kHz.

- Maximum output: 1.4 kW or above
- Fluoroscopy / Radiographic kV range: 40 - 110kV
- Fluoroscopy mA range: Max mA should be 5 mA or more
- Pulse fluoroscopy: 5 mA, 2 ~ 12 fps
- Radiography mA; 15 mA or more
- Radiographic mAs range: Minimum 200 mAs or more
- Anatomical program memory
- LED/LCD readout for parameter display.
- Graphical User Interface with touch screen

C. X-Ray Tube

- High capacity Stationary anode tube
- Anode heat capacity - 50 kHU or more. Higher capacity would be given preference
- Focal spot size - 0.6 mm
- Collimation - Iris type with parallel & rotation compensation filters
- Beam hardening filter to cut soft X-rays. Selection of niters would be preferable
- Collimation position memory & recall.
- System should preferably have virtual collimation feature for reduced exposure to patients

D. Image Intensifier

- Dual field Image Intensifier of9" or bigger
- Fibre grid for low X-ray absorption and to effectively reduce scattered radiation

E. TV System

- CCD Camera medical grade I k xl k @ 12 bit resolution
- X Ray TV Image rotation - 360 deg
- Twin Monitor 19"LCD or bigger
- Compact Monitor trolley for easy transportation
- Should have Monitor Height adjustable option to suit requirements of different surgeons
-

F. Image Processor

- Should be able to store up to large number of image in volatile memory, please specify the
  Number of images stored in RAM memory
- Recursive filtering^ auto window, edge enhancement, real time zoom, image inversion

- Should have virtual Collimation and Rotation
- Should have different Fluoroscopy modes similar to Low Dose/Norm-a I/High Quality
- Integrated Dose Display

G. C-arm Movements

- All C Arm movements to be balanced perfectly
- Locking /Unlocking of movements should be done by easily identifiable Locks / button*
- SIP or FFD to be 900mm or better
- C Arm Free space should be 700mm or bigger
- Width of C arm base should be small and compact. Please specify the width
- C Ann Rotation 120 deg or better
- C Ann Holder Rotation more than 200 deg
- C Arm Longitudinal Travel 450mm or better
- C Arm Compression Travel 20 cm or more
- C Arm Swivel 12.5 deg plus/minus

H. Accessories

- Cassette holder-1
- Lead Aprons light weight 5 no’s
- Thyroid Shields - 5 no’s
- UPS 5 KVA Pure sine wave type with isolation Transformer

I. Others

- Should have facility of Digital Subtraction Angiography. Please specify the frame rates
- CD Recording Workstation with Ability to record Images in D1COM Format
- Printing/ DICOM Store /etc. should be standard feature
- Ability to Record 10,000 or more images in the Hard Drive
- UPS for the Workstation
- AERB type approval/NOC should be given
- The unit should be European CE (RoHs) and US PDA compliant.
- Companies must enclose the product data sheet and product catalogues confirming the tender..

  Specifications.
- Companies must enclose compliance statement. Each specification corroborated in the

  Compliance must give page numbers where it is listed in the product data sheet/ catalogue
' - The firm may have to demonstrate the unit at their own" cost either in the hospital or in nearby

Installation site

J. Warranty / AMC / CMC

- 2 years including all the accessories.
- Company must quote for AMC / CMC for next 5 years after the expiry of warranty period

Certified that Specifications are generalized in nature

Schedule: 23

Surgical Operating Microscope for Neurosurgery

1. The optics carrier with OPTICHROME/APOCHROMATIC Technology
2. Motorized 1:6 zoom activated through hand switch, through control panel. Manually adjustable override
3. Magnification range: 1.5x-12.0x with 10x Eyepiece.
4. Field of View diameter 12.5mm-143mm with 10x Eyepiece
5. Motorized focus via multifocal lens from 200mm to 500mm, activated through hand switch, footswitch and through control panel. Manually adjustable override
6. Optics with Stereo base 22mm or more for natural three-dimensional image
7. Completely intergraded inbuilt configuration without any modular attachment for each application
8. Signal user interface for control of data during surgical procedure. Should be touch controlled screen integrated within the stand.
9. The microscope should have signal touch auto balance for intra-operative balancing despite of any configuration of the microscope.
10. The speed of the zoom, focuses & illumination & essential parameters should be adjustable via control panel.
11. Automated illumination brightness control is linked to working distance. Avoids accidental thermal injury by shorting working distance without lowering the height.
12. Built in automatic zoom-synchronized illumination field diameter, with manual override and reset feature.
13. Binocular tube: – Should be minimum 0-180 degree tilt able or more for comfortable fatigue free surgical postures for all microvascular surgeries like posterior fossa and other.
14. Dual Laser assisted Motorizedfocusing device for fast, precise microscope position.
15. Illumination:
    i. Dual lamp illumination of 300 watt or more completely integrated within the microscope stand without any external modules. Should have automatic lamp exchange facility.
16. Microscope should be ready for navigation assisted surgery.
17. IGS-Facility:
    i. Should be capable of image guided surgical procedures and should be mandatory feature.
18. It should have facility for future up gradation of Fluorescence guided surgeries via sodium fluoride for tumour resection and ICG based vascular surgeries.
19. Stand system:
    i. Floor stand:- Should be of contravis technology and six electromagnetic movements.
    ii. Base should be stable and robust.
    iii. Extremely light movement and control of the optics carrier by electromagnetic brakes
    iv. XY movement: - true curvilinear movements for true XY movements for the Front to back inclination for the difficult posterior posa cases
    v. Once balanced the whole system should be able to move around with your two fingers onthe hand switch.
    vi. Optics rotation: 540deg

vii. The system should be a true overhead positioning
viii. Inter-operative auto balance: – Can be balanced during the case without breaking sterilityby touching a simple button in the single user interface screen.

20. Full HD 3CCD HD (Full) camera:-Should have completely inbuilt camera within the microscopehead without any external attachment and wire.
21. High definition 24'' or more LCD/LED built in medical grade monitor
22. Recording System: Specifications for recorder.
    a. The recorder should be full HD &completely inbuilt with editing software in built in system
    b. File storage on any of the external storage device viz. pen drive, USB storage device etc.
    c. Dual monitor output.
    d. Fire wire input/output
    e. 500GB or More storage capacity
    f. Should record both still and video images
23. Accessories
    i. Stereo co observation system for the cranial work.
    ii. Objective protective glass- 4 nos.
    iii. Laser adaptability

Schedule: 24

E.N.T. OPERATING MICROSCOPE & Video Camera Unit

1	All the cables should be inside the stand and microscope arm for protection.
2	Manual Five step Magnification system with apochromatic optics
3	Field of View 10 mm to 150 mm.
4	Objective lens working distance 250mm, 300 & 400 mm.
5	Tilt able Binocular tube.
6	Facility for manual fine focusing with 250mm or more objective via knob.
7	Pair of lateral handles for easy movement & positioning of microscope.
8	LED illumination for day light character.
9	Integrated inbuilt Full HD camera. Camera should have possibility for stills & video capturing.
10	A Full HD Medical grade video monitor 20'' or more for display of images & videos.
11	Full HD digital video recording facility on SD Card or USB.
12	Microscope should be adaptable to Micromanipulator for LASER.
13	Any other accessory which is must for functioning of the equipment like continuous voltage stabilizer etc.
14	Voltage 230, frequency 50-60 Hz
15	Should be European CE / US FDA approved.
16	Suitable UPS for 30 minutes minimum back up should be supplied as standard.

Schedule: 25

NEONATAL INCUBATOR

Warranty/ Guarantee: 5 years comprehensive warranty

Specifications

- Servo-controlled
- Double wall
- Dimension of the dome: 90-100cm x 60-70cm x 45-55cm (LxWxH)
- Temperature accuracy:

1. Baby's temperature: 0.1 ^{o}C
2. Air temperature: 0.1 ^{o}C

- Inbuilt alarms for air flow, probe failure, high incubator temperature, power failure and high and low skin temperature (± 0.5 ^{o}C).
- Humidity control system (range 30%-95%).
- LED/LCD displays should include baby's temperature, set temperature, heater output and humidity level.
- Inbuilt oxygen delivery system.
- Noise level inside hood: less than 50dB
- Neonatal bed should be tiltable and control being from external panel
- Should be able to open the 'Snap-open' access ports silently
- Humidity chamber should be easily detachable for cleaning
- The unit should operate on 220-240V/ 50-60 Hz
- Joints, hinges and iris ports must be sturdy and able to withstand the routine wear and tear
- CMC MUST include replacement of joints, hinges, iris ports as required
- Device is produced by ISO 9001 certified manufacturer (certificate to be submitted)
- Device is safety certified according CE 93/42, FDA 510 k or equivalent (Certificate to be submitted)
- Anti static caster with 2 brakes
- Mattress cover resistant to disinfectants
- Should have at-least 2 IV mounting stand
- Includes integrated X-ray tray
- Includes two storage cabinets
- Air filter efficiency: 99.9% of particle size remove 0.3 micron efficiency
- Cabinet ensures high visibility of the baby
- Company should certify that model quoted is latest and not obsolete, and spares if needed will be available for next 5 years after the completion of warranty.
- Cost of consumables should be quoted separately and should be frozen for the CMC period
- Physical demonstration in the department is required

Supplies with each unit

- Reusable skin temperature probes: 10
- Air filter: 15
- Supply of two spare sets of joints, hinges and iris ports with each unit.

Schedule: 26

VATS Equipment specifications

1 Description of function

1.1 A Thoracoscope is a thin tube like rigid endoscope instrument with a light and a lens for viewing.

2 Operational requirements

2.1 Thoracoscope with video processing , monitoring and recording is required

3 Technical Specifications

3.1 SPECS OF SCOPE.

1. Road Lens **full IID Telescope 30^{o}**, enlarged view, diameter 10mm, length 31 cm, autoclavable, fibre optic light transmission incorporated- Qty 1
2. Road lens Telescope 0^{o}, with angled eyepiece, diameter 10 mm, length 22 cm with 6 min instrument channel, autoclavable- Qty 1
3. Telescope 10 mm, length 32 cm, variable direction of view from 0^{o}- 120^{o}, twisting controller to select the desired view of direction, fibre optic light transmission incorporated- Qty 1
   Direction of view should be zero degree.
4. Compatible with the video system specified.

3.2 Full HD Camera system & Monitor- 26", LED

1. Three chip high definition camera system maximum Resolution of 1920 x 1080 pixels
2. Power supply 200- 240 V A/C
3. PAL type video signal. The camera should have high definition (HD) output with provision of recording on hard disk (HDD)
4. Controls to freeze images enhance a portion of frozen image (zoom & post-processing).
5. Operates on Xenon lamp with battery backup of at least 45 minutes.
6. 26" or more LED colour monitor with **resolution of at least 1920x1080p with 16:9/16:10 aspect ratio.**
7. HDTV display in original 16: 9 HDTV format
8. 1080 p/50 & 1080 p/60 displays possible.
9. Patient and Physician data input keyboard/ Touch Screen Panel

3.3 XENON LIGHT SOURCE WITH FIBER OPTIC CABLE

- Lamp type- Xenon 15V, 300 Watt
- Colour temperatures 6000K
- Light outlets- 3
- Light intensity adjustment:-Continuously adjustable either manually or automatically by cameras video output signal.
- Should be supplied with Diameter 4.8mm, Length 300cm.
- Certified To:- IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF

3.4 ENDOSCOPIC TROLLEY- Trolley to accommodate all the above equipments

3.5 FULL HD IMAGE/VIDEO RECORDING SYSTEM

- Record still image and video in FULL HD at resolution of 1920x1080P
- Controllable via **camera head buttons & membrane buttons on front panel or touch screen**
- Supports network storage on file servers
- USB support for storage on USB drives
- Customizable print-outs for the documented information
- Quick print function for fast print of images
- HIPAA compliant
- **It should be European CE or USFDA certificate. It should confirm to electrical safety norms IEC 60601-1**
- Microprocessor RIMM (AMD) Processor at 500 Mhz
- USB silicon keyboard with touchpad**or touch screen**
- Video signal inputs: **DVI, HD-SDI, Composite, RGB**

- Video Out: **DVI**
- Video output resolution: **1920x1080p**, 1280x1024, 1280x720, 1024x768, 800x600, 640x480
- Audio input: Standard 3.5 mm stereo phone jacks
- Internal hard drive 320 GB
- USB ports: USB 2.0 (1 front panel, 2 rear panel)
- Network RJ45/ connection as network drive (8MB)
- Recording formats:
    - Videos- H.264mp4
    - Images: JPEG, TIFF, BMP
- Patient data: saved as txt file and / or in EXIF format
- Power supply: 100/240 VAC, 50/60 Hz

3.6 THORACOSCOPY INSTRUMENTS SET

- Trocar size 11mm, autoclavable consisting of Trocar, with blunt tip, Trocar cannula flexible, Without valve, length 8.5 cm- Qty 2
- Plastic cannula autoclavable for use with flexible trocar size 11 mm- package of 5 - Qty 1
- Trocar size 6mm, autoclavable consisting of Trocar with blunt tip, Trocar cannula flexible without valve, length 8.5 cm- Qty 2
- Plastic cannula autoclavable for use with flexible trocar size 6mm package of 5-Qty 1
- Trocar size 6mm, consisting of Trocar with blunt tip, Cannula with tread, length 4 cm –Qty 1
- Trocar size 6mm, consisting of Trocar with blunt tip, Cannula with tread, length 6 cm –Qty1
- Trocar size 6mm, consisting of Trocar with blunt tip, Cannula without tread, length 6.5 cm, with insufflations stopcock, Silicon Leaflet valve, size 6 mm- Qty 1
- Trocar, size 11 mm consisting of trocar with blunt tip, cannula without thread ,length 6.5 cm, with insufflations stopcock, silicon leaflet valve, size 11 mm-Qty 1
- Trocar, size 13mm, consisting of Trocar with blunt tip, cannula with thread, length 4 cm – Qty1
- Trocar, size 13mm,consisting of Trocar with blunt tip, cannula with thread, length 6 cm – Qty 1
- Parenchymal forceps atraumatic , straight jaw, single action jaws, size 5 mm length 28 cm, Consisting of metal handle with 4 locking positions with rachet, outer tube with working insert Qty -1
- Parenchymal forceps, atraumatic, double curved jaws, single action jaws, size 5 mm length 28 cm, consisting of metal handle with 4 locking positions,with reachet, outer tube with working insert Qty 1
- Lung forceps, atraumatic, fenestrated curved jaws, single action jaws , size 5mm,length 28 cm consisting of metal handle with 4 locking positions outer tube with working insert – Qty 1
- Dissecting and grasping forceps curved jaws, double action jaws, size 5mm length 28 cm Consisting of: metal handle with 4 locking positions, outer tube with working insert -Qty 1
- Lung nodule forceps, atraumatic, fenestrated curved jaws, single action jaws, size 5mm Length 28cm, consisting of metal handle with 4 locking positions, outer tube with working

  Insert-Qty 1
- Grasping forceps, Cobra Jaws 1x2 teeth straight jaws, single action jaws, size 5mm, length 28 cm, consisting of metal handle with 4 locking position Outer tube with working insert- Qty 1
- Grasping forceps, straight jaws, single action jaws, size 5mm, length 28 cm, consisting of metal handle with 4 locking position Outer tube with working insert- Qty 1
- Parenchymal forceps, atraumatic, curved jaws, single action jaws, size 5mm, length 28 cm, for use with Linear stapler- Qty 1

- Dissecting forceps, Insulated, curved jaws, double action jaws, size 5mm, length 28 cm, with connector pin for unipolar coagulation, consisting of insulated metal handle with 4 locking position insulated Outer tube with working insert- Qty 1
- Scissors insulated distally angled outer sheath, curved scissor-blades scissor blades open horizontally to angulation, double action jaws, size 5mm, length 28 cm, with connector pin for unipolar coagulation, consisting of insulated metal handle with 4 locking position insulated Outer tube with working insert- Qty 1
- Scissors insulated distally angled outer sheath, straight scissor-blades scissor blades open parallely to angulation, double action jaws, size 5mm, length 28 cm, with connector pin for unipolar coagulation, consisting of insulated metal Y-handle with 4 locking position insulated Outer tube with working insert- Qty 1

Schedule: 27

Mammography with CR System

Generator:

a) Microprocessor controlled High Frequency generator with integrated beam filters to reduce patient skin radiation dose
b) Minimum generator output: 3 KW or more.

X ray Tube:

a) Rotating Anode X-Ray tube KV: 23 KV to 35 KV, adjustment in increment of 1 KV mAs capacity - 3 mAs to 500 mAs or more
b) Focal Spots: Dual focal spots of 0.3 mm and 0.1 mm or better
c) Anode Heat Storage capacity: 150 KHU or more

Gantry/ X – Ray Stand:

a) Motorized height adjustable to at least 75 cm to 125 cm or more above the floor to object table
b) Should have large swivel range: -180 deg to + 135 deg or more.
c) Rotation should be iso-centric
d) Automatic collimation to film format
e) Grid: R 5:1, 30 lines/ cm or more
f) Combination filter Mo/Mo and Mo/Rh and the lower dose according to individual breast
g) Automatic Exposure Control with compensation
h) Compression device: Both motorized and manual
i) Exposure Modes: Dual mode - Automatic & manual

Magnification device:

a) Metallic magnification device with a magnification factor of 1.5 to 2 or better
b) Bucky unit 18X24 cm (2 Nos.) & 24 X 30 cm (2 Nos.).
c) Also, CR cassettes compatible with any make CR should be supplied of 18X24 and 24X30 cms, 4 each.

System must have AERB type approval
The unit should have European CE certificate/ US FDA
The following items has to be supplied as standard:

1. Lead Aprons (4 Nos.) with 0.50 mm lead equivalence
2. Suitable Radiation shield
3. 4 films X ray illuminator (view box) – 2 Nos.
4. Rotating stool for patient – 3 Nos.

5. Suitable online UPS with at least 30 min back up."

CR System (COMPUTED RADIOGRAPHY SYSTEM)

Specifications for State of the art Latest Generation Computed Radiography (CR) system for high resolution Digital radiography

Technical Requirements - CR system configuration shall include:

a) Imaging plates (IP)
b) Image reader : should be multi loader which can stack 4 cassette or more with 4 or more input slots
c) CR workstations
d) RIS interface
e) Remote ID and Preview stations
f) Accessories and consumables
g) Dry Imager without need for wet chemistry

CR Compatible imaging plates

1 Following sizes & qty. are required as standard (Unit rate of each CR plate to be Quoted separately for any additional requirement)
a) 35 cm x 35 cm – 6 Nos (Price to be offered separately)
b) 24 cm x 30 cm Mammography cassette- 2 Nos – (Price to be offered separately)
c) 18 cm x 24 cm Mammography cassette – 2 Nos (Price to be offered separately) e) 35 cm x 43 cm – 1 Nos (Price to be offered separately).
d) 15 cm x 30 cm - 6Nos (Price to be offered separately)
e) 35 cm x 43 cm – 6Nos (Price to be offered separately).

2 Image plate storing Rack-Two

3 Image reader shall meet the Functional requirements:
a) Various image-processing protocols available for the respective regions of the body
b) IP processing rate should be about 90 plates / hour
c) Mechanism for accepting exposed Imaging Plates without patient demographics, for Causality /Trauma workflow requirement
d) Mechanism for Re-routing the newly acquired Images to the preconfigured CR workstation
e) Capability of retrieving (Service Intervention) at least last 10 scanned images, as part of contingency plan.
f) Capability for quick check of the image and exam data of at least the last 4 Imaging Plates scanned at the x- ray room
g) Protocol for verifying the connectivity status of configured image destinations
h) Spatial resolution of the digital image shall preferably be 2kx2kx16 bits for optimal resolution. Identification and Preview

4 System Functional requirements:
a) Capability of interfacing to HL7, Non-HL7, Proprietary, DICOM Work list or user defined Windows/DOS /Linux based interface protocols to HIS/RIS.
b) Please specify whether you have tested interfacing with HL7-DICOM Bridge.
c) Mechanism for retrieving Demographics of at least last 10 patients identified on a particular Identification Terminal.
d) Customizable Graphic User Interface (GUI) in Identification station with facility of selecting DICOM print & Storage destination.
e) Indication of Over Exposure on the preview module.
f) Mechanism for User release from Preview terminal in case of Auto-routing Images to Predefined DICOM Destinations.
g) Customizable Graphic User Interface (GUI) for Preview terminal.
h) Solution for storing patient demographic data for multiple exams in RIS/non RIS environment.

i) It should be possible to put a custom configurable data field in the demographic information of the patient linked with the image.
j) System should be compatible with minimum DICOM 3 or latest image formats

5 Software

5.1 System should include the following Software applications:

5.2 Please list all the optional software(s) which are available with you for enhancing the workflow and service in the Digital Radiology environment for the following
1. Advanced Processing Software
2. Application Software
3. Connecting Software
4. Visual Output Software
5. Quality Monitoring Software

5.3 The system should include the following SW applications as standard:
1. Full Leg/Full spine image processing.

5.4 Quality Control software.
1. Software, which enables to see in the preview terminal the deviation from normal exposure and with the details of the deviation on the CR workstation.
2. Software masking of the collimation areas.
3. Special attention should be placed on pediatric applications.
4. Software for storing images on any DICOM 3 (or newer versions) compliant stations.
5. Software for printing on any DICOM printer.

6 CR Workstation

System configuration requirements:
a) Accept images from CR Reader without any loss of data
b) Capable of Archiving & Printing selected image to a standard DICOM destination in DICOM 3.0 Format.
c) Storing images in the local disk for pre-defined period.
d) Mechanism for accepting New images when the local disk is full
e) Should include 21" antiglare flicker free TFT/LCD color monitor (1.2K X 0.78K resolution)
f) Should include 21" Monochrome antiglare flicker free Medical Grade TFT/LCD monitor with at least 2k X 2k resolution.
g) DVD Burner
h) 240 GB or more on board storage

7 System Functional requirements:
a) Support DICOM Work list or user defined Windows/Dos based interface to HIS/RIS
b) Mechanism for retrieving Demographics of atleast last 10 patient identified on that Terminal.
c) Customizable Graphic User Interface with facility of selecting DICOM print & storage destination.
d) Indication of Over Exposure on the preview module.
e) Mechanism for User release in case of Auto-routing Images to Pre-defined DICOM Destinations.

8 Functional requirement for CR workstation:
a) Built in routine for using predefined image processing parameters for image quality enhancement.
b) Mechanism for storing the Patient image based on name, date, exam, etc.
c) Capability of storing user defined image processing parameters.
d) Capability of overwriting predefined image parameter with user-defined parameters & storing these two images separately.
e) Correcting typographically in Patient Demographic module, in case the RIS connection was down and manually data entry was done.
f) Capability of changing W/l, Flipping, Rotating, Zooming, Collimating Annotating incoming image.

g) Auto-routing incoming image to predefined DICOM Store (SCP storage) or Print Destination (SCP Print Destination)
h) Mechanism for printing Multiple Images in one film, with the possibility of slide and True Size printing
i) Compatible DVD Writer along with relevant software to be quoted separately.

9 Laser Imager System Configuration requirements:

9.1 Print Images from CR Workstation
a) Capable of Printing Images in DICOM 3.0 format
b) Mechanism to print images 14x 17,11X14, 8 x 10 film sizes simultaneously.
c) Resolution should be 500 dpi or more
d) Capable of handling mammography plates.

9.2 Functional requirement for Laser Imager:
a) Capable of Printing images in High quality H
b) Mechanism for printing images in 14 x 17,11X14 and 8 x 10 film sizes simultaneously.
c) Mechanism for Printing Multiple Images in one film, with the possibility of slide printing.

10 Provision for Distributed CR System should be present. Please quote price separately for additional workstation image reader preview stations and image planes.

11 Please list all the Optional software‘s, which are available with you for enhancing the workflow and services in the Digital Radiology environment.

12 Price to be Quote separately for additional laser imagers.

13 Price for On line UPS with one hour back up for complete system should be quoted.

14 System should have European CE or USFDA approval

15 Review station at key areas – qty 04 nos. (in OPD, OR, DOCTOR‟S room etc.) (Unit Price of review stations to be quoted separately)

16 PC for recording purposes with laser printers and UPS.

17 PC based DVD reader image manipulating software and high definition monitor (1.2K ×0.78K) (approx).

18 Acceptance tests as per International Standard should be carried out at manufacturing facility as well as installation site (including all Safety and QA tests)

19 e-LORA registration of vendor with respect to quoted model is must

Turnkey requirement:

Supply, Installation & Commissioning of Air conditioning of 3 TR.
Lead lining of doors to be done.
Worktable and Chairs (6 Nos.) to be provided in console room
Any other civil/electrical/plumbing works required for successful installation and commissioning of Mammography system.

Schedule: 28

800mA X-Ray unit with Single Detector (U/C Arm)

Unit should be high frequency digital radiography system with rotating anode X-Ray tube fitted on a versatile U-arm along with single flat panel detector, mobile table and workstation with generator and operator console.

1. High frequency Generator:

a. Generator should be of latest technology with high frequency X-ray generator
b. Constant power output of 80 KW or more
c. KV range should be 40 to 150KV in 1KV increments.
d. mA 800 **or more**.
e. mAs range should be 10 to 800mAs or more.
f. It should have automatic exposure control device.

2. X Ray Tube

a. A dual focus rotating anode x-ray tube. Anode rotational speed must be 9000rpm or more. The tube rotation of 90 degree should be available.
b. Small focus 0.6mm Sq.
c. Large focus 1.2mm Sq.
d. Anode heat storage capacity 300KHU or more.
e. Automatic multileaf collimator having halogen lamp/bring light source and auto shut provision of the light.
f. HV cable-1 pair of HV cable.
g. Automatic collimator must be mounted on X-ray tube and collimator must have an integrated dose area product (DAP) meter. Output of DAP meter should be visible in software console.
h. Display of SID and other parameters like tube angle.

3. Digital Detector

a. The detector should be of solid state flat detector of latest technology. The material of detector should be amorphous silicon with Cesium Iodide as scintillator.
b. The size of detector should be 43cmx43cm ore more
c. The pixel size should be **150 microns or less**.
d. Active matrix should be **3kx3k or more**
e. The resolution should be minimum of 3.5lp/mm up to 5lp/mm.
f. Image depth should be **14 bit** or more.
g. DQE **65% or more** at 0LP/mm.

4. Radiographic table

a. Mobile table with height adjustment to be provided with brakes.
b. Table must be of following dimension: Length 1800mm or more. Width 600mm or more. Height 650mm or more.
c. Locks should be available for safety purpose.
d. Maximum weight carrying capacity for the table should be more than 200Kg.
e. Table top should be of Carbon Fiber or equivalent material.

5. U-Arm Positioner with control unit

a. Counter balanced U Arm stand should be provided.
b. U arm must facilitate a rotation of at least through 120 degree or more
c. Range of detector rotation should be +/- 90degree or more.
d. U arm must have facility to mount a focused stationary grid.
e. Option for dosimetry kV, mA, tube angle position available at X-ray tube side. Also apart from main console.
f. Source to Image distance must be 1000mm to 1800mm to cover full range of radiographic application.

6. Image acquisition and Processing work station

a. The system should have touch screen console for image acquisition, image processing, patient demographs, and *study data entry as well as for generator parameters and exposure details.*
b. Latest PC based workstation for management of images and studies.
c. 19" LCD/LED high quality reputed international make medical grade monitor of minimum 2MP resolution must be provided.
d. Control PC must be of reputed brands like Dell/HP with minimum Processor Core i5, 8GB RAM, 2TB HDD, DVDRW, KeyBoard, Mouse, etc.
e. The work station must provide full amount of post processing features like geometric corrections window/level, algorithm, annotations such as markers, predefined text, drawing line and Geometric shape, measurement of distance and angles, histogram, zoom, gray scale reversal.
f. It should be fully DICOM 3.0 ready.
g. It should get DICOm work list from HIS/RIS, storage images through PACS network system and should support DICOM image print and DICOM MPPS.

h. Application related software like pediatric, black border/black masking should be available.
i. The system should have software and hardware to perform full Leg-Full spine/long body imaging/image stitching software and hardware.
j. Image storage capacity of **3000 images or more**.
k. Image stitch software.

7. Dry Imager (for film printing)

a. The system must be a Dry imager
b. The system must be DICOM 3.0 ready.
c. The system must be able to process up to 75films/hour (minimum) depending on the size.
d. The system must deliver its first film within 80 seconds from requested.
f. The system must have a spatial resolution of 500 Dpi (minimum) for all sizes printed
g. The system must have contrast resolution of 12bits/pixel or more.
h. The system must have at least three online film sizes, and should be capable to print on any of the 8x10, 10x12, 11x14, 14x14, 14x17 inch sizes. All three films input trays should be freely configurable at user level for all the mentioned film sizes.

8. Accessories

a. Online UPS with 30minutes back up for the computer workstation should be provided.
b. Suitable voltage stabilizer servo controlled for the entire system
c. Light weight zero lead radiation protection apron (4 Nos)
d. Footsteps for the table (02 nos)
e. Lead glass (02 Nos.)
f. Software for image stitching (01No.)
g. Gonadal Shield (03 Nos)
h. Thyroid shield (03Nos)

9. Approvals:

a. The system should be USFDA **or** European CE approved. AERB type approval for the offered model should be submitted along with bid.
b. Approval of the site plan and registration of the Installation from AERB shall be the responsibility of the successful bidder. However any documentary assistance shall be provided by the hospital authority.
c. NOC will not accepted.

10. Warranty/After sales service

a. Five years comprehensive warranty of entire system supplied including flat panel detector, X-Ray tube, table, dry imager, generator, UPS & voltage stabilizer and all other components including spares for the entire system.
b. Company must quote and sign contract for CMC for next 5 years for entire system supplied including flat panel detector, X-Ray tube, table, dry imager, generator, UPS and all other components after the expiry of Warranty period.
c. 98% uptime to be maintained during Warranty /CMC period. In case down time exceeds 2%, the Warranty /CMC period shall be extended double the excess down time period.

11. Details of service centers located in Delhi/Amritsar/Chandigarh along with address and their telephone numbers to be provided in the technical bid.
12. Firm should attach installation list in India of the model quoted preferably in the Govt. hospital or Govt. Medical institute.
13. Point by point compliance to all specifications along with data sheet, catalog to compensate compliance to each point to be submitted along with bid.
14. Hard copies of User & service manuals should be submitted along with machine.
15. Training to doctors, technicians etc. for a period of minimum 4 weeks or up to satisfaction of the HOD of user department.
16. Turnkey: The bidder will carry out installation on turn-key basis. To assess the turnkey costs the bidder may visit the sites before quoting for the equipment.
17. e-LORA registration of vendor with respect to quoted model is must

The Turnkey Scope of Work

1 The equipment is to be installed at Trauma Centre, GMC, Amritsar. The total area for turnkey is to be considered as 600 Sq.ft. with 6 TR AC Moreover Bidders will have to quote the Unit Rates of the following components of turnkey work. a) Civil works b) Electrical work c) Public health (plumbing and sanitary fittings). d) Air Conditioning (HVAC) e) Interior Furnishing & Furniture f) Miscellaneous. The payment shall be at actual.
The Supplier should inspect the proposed site offered by the Consignee Institute in which the DR system has to be installed and they are required to submit the plan for the complete DR Centre on a turnkey basis. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DR Centre.

2 While preparing the plan, the following aspects have to be addressed.
i Care should be taken to provide easy negotiation of the patient stretchers/ trolleys through corridors and doors.
ii Radiation shielding for doors, walls, windows etc.
iii Furniture like desk, chairs, shelves etc.
iv Patient stretcher and other furniture/ accessory to make the DR centre functional.

3 Moreover Bidders will have to quote the Unit Rates of the following components of turnkey work.
a) Civil works
b) Electrical work
c) Public health (plumbing and sanitary fittings).
d) Air Conditioning (HVAC)
e) Interior Furnishing & Furniture
f) Miscellaneous

Scope of work for turnkey DR system:
The supplier should inspect the proposed site and submit all the detailed structural and architectural drawings and BOQ for the proposed DR Centres along with technical bid of the tender.

The DR CENTRE shall consist of the following rooms:
a) DR Room
b) Console room
c) Equipment room
d) Patient preparation room

The actual area of turnkey works done will be considered for payment, based on the site measurements.
Civil work
a) Civil construction work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.
b) Concrete bed at DR equipment area.
c) Platform for unloading and shifting the DR should be provided if necessary.
d) Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided.
e) All the construction work to be done as per the final plan approved by the Consignee.
Flooring
1 600 x 600 mm vitrified tiles with 100mm tile skirting to match in console room and patient preparation areas etc.

2 50 mm thick cement concrete flooring with Vinyl flooring in DR equipment / UPS room.

Painting

1 Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in patient preparation area, console room, DR room & Equipment room etc.

False Ceiling

1 Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.

Plumbing work

1 All water pipes and fittings shall be of high density polythene of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make.

Electrical work

1 The supplier shall be required to specify the total load requirements for the DR centre including the load of air conditioning , room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the DR centre . The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.

2 The electrical work shall include the following:

a) Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below.

b) Switches light and power points should be of modular type and of standard make as listed below.

c) General lights – Mirror optical type 1X28 W or 2X28 W/CFL fittings 2X36, 3X36 W with electronic ballasts

AIR CONDITIONING:

Ductable package air conditioners and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. . The Air conditioning should be designed with standby provision to function 24 hours a day.

The outdoor units of AC should have grill coverings to prevent theft and damage.

Ventilation is required in toilet.

Environment specifications:

d) Humidity range: Relative humidity 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.

e) Temperature ranges: 22 ± 2° C in all areas except equipment room which shall be as per requirement of the equipment.

f) Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder.

Furniture:

a) Revolving chairs height adjustable, medium-back with hand-rest in the Console room 4 Nos.

b) Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S

c) Drug trolleys 1 numbers for patient preparation area.

e) Patient trolley with rubber foam mattress to be kept in the patient preparation room.

f) Name boards for all rooms

h) Changing rooms should have change lockers and dressing table.

i) Dustbins (plastic with lid) to be provided as required.
j) Any other furniture item as per requirement.
All furniture items should be of standard make as mentioned in the table below.
Miscellaneous:

1 Console room should have LED X-ray Film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size. – 3 nos.
2 Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc
3 Broadband connection: for REMOTE SERVICE of DR system.
4 Fire extinguisher Dry CO2 type as required for the building safety.

LIST OF ITEMS AND SUGGESTED MANUFACTURERS.

SL NO	ITEMS	PREFERRED MAKES
A	FLOORING VITRIFIED TILES	-Somany, Kajaria , H&R Johnson, RAK india
B	PAINT	- Dulux, Asian Paints , Nerolac
C	PLUMBING	- Kohler, Jaguar , Grohe , Roca
D	SANITARY ITEMS	- CERA, Hindware, Parryware
E	ELECTRICAL	
	1 CABLES	- Finolex, Havells ,V-Guard
	2 SWITCHES	- Legrand, L&T, Crabtree , Roma
	3 DISTRIBUTION BOX , MCB	- Legrand, L&T, Siemens, Havels
	4 LIGHT FITTINGS	- Philips / Crompton / Kesselec-Schreder / Wipro.
F	AIR CONDINTIONING	- Daikin, Hitachi, Blue Star, Voltas,
G	FURNITURE	- Hermen Miller , Godrej , Featherlite

Probable Bidders: Agfa, Samsung

Schedule: 29

Video Endoscope unit with NBI/HD+Video with Upper GI Endoscope, Colonoscope-ERCP with accessories

1 Gastro Video Scope: - 2 Nos
Build in HDTV compatible CCD
Should have Chrome endoscopy imaging such as NBI/SPIES/I Scan/ FICE or equivalent
Fully immiscible in disinfection solution (No need to attach water resistant cap) & one touch connectivity.
In build scope identification memory chip for monitor display of scope's model no serial no, white balancing memory, no. of connections/cumulative uses etc.
Should have forward/Auxiliary water jet for mucosal cleaning.
The scope should be the latest available in the world market

a Insertion Tube outer Diameter: 9.9mm or less for diagnostic
b Field of View/ Angle of view: Normal/Near Focus 140 Deg or more
c Direction of View: Forward viewing
d Depth of Field: Normal 4/5-100mm or better
e Distal End outer diameter: **9.9mm or less**
f Angulation of Tip:
a) Upwards-210 Deg or more
b) Downwards-90 Deg or more
c) Right- 100 Deg or more
d) Left-100 Deg or more
g Instrument Channel >=2.8mm
h Working Length : 1030mm or more

i Total Length : 1030mm or more
j Minimum Visible Distance of instrument used through channel

2 For Therapeutic gastrovideoscope- two instrument channel 2.8 mm or more and 3.7 mm or more and with a water jet nozzle. - 1 nos
Accessories:
a) Reusuable biopsy forceps oval cup fenestrated, oval cup non fenestrated- 5 Each
b) Hot Biopsy forceps with alligator cups with and without needle- 3each
c) Foreign body retrievable basket 6 wires-2
d) Hot Biopsy forceps reusuable-2Each
e) Electrosurgical snare-2 each
f) Bipolar Probes-10 Each
g) Cleaning Brushes and channel opening brush- 5 each
h) Washing Pipe /Spray Cathetar-20 each with each scope
i) Injection Needle 21G-10 with each scope
j) Grasping Forceps- Rat tooth, rubber tipped- 2 each
k) Rotable Clip fixing Device short and long- 5 each with one hundred single use clip.
l) Endoloop Ligating device(applicator) length 1650mm and 2300mm- 5each
m) Endoloop 30mm 5 Boxes and 20mm 5 Boxes
n) Hemoclips- 20 Each
o) Extra Suction and air water Buttons 5 each
p) Biopsy Channel Valves- 2 Packs of 100 each
q) Celeston Esophageal Dilators- 1 Box
r) Extra Xenon Bulbs- 2

3 Ultrathin Endoscope: 1 nos
a Outer Diameter- 5.4-6.5mm
b Field of View- 100Deg-140 Deg
c Direction- Forward
d Working length- 1-1.2 Mtr
e Depth pf Field- 4-100mm
f Angulation of Tip
A) Upwards - 180 Deg to 210 Deg
B) Downward 70-90 deg
C) Right 90-100deg
D) Left 90-100deg
g Instrument Channel 2.0-2.2mm
h Automatic Scope Identification system with compatible video Processor
i System must be suitable for High Resolution., High Magnification images of the GI Tract with the **facility to provide images with optical chromoendoscopy.**
j Standard Accessories
i. Cleaning Brush and Channel opening Brush- 10 Nos
ii. Biopsy Forceps- 5nOS
iii. Suction and Air water valves
iv. Foreign Body retrievable basket 6 Wires-5
v. Injection Needle21G- 10 with each scope
vi. Grasping Forcep Rat Tooth, Rubber Tip -5 Each
vii. Magnetic wires/Forcep - 5
viii. Hemoclips compatible with this channel-20 each
ix. Bipolar Probes-10

4 Colonovideoscope- 1Nos

Build in HDTV compatible CCD

Should have optical chrome endoscopy imaging such as NBI/SPIES/ISCAN/ FICE or equivalent

Inbuilt Feature like Variable/Graduated stiffness, High force transmission & Passive Bending for ease of Insertion.

Fully Immiscible in disinfectant memory Chip for monitor display of scope's model no. serial no., no. of connections/cumulative uses etc.

Inbuilt scope identification memory chip for monitor display of scope's model no. serial no, white balance memory, NO.OF CONNECTIONS/CUMMULATIVE USES ETC.

Auxiliary water Jet for mucosal cleaning

The scope should be the latest available in world market.

a In sertion Tube outer dia :13.2mm or less
b "Field of view : **140 Deg or more**"
c Depth of field : 4/5-100 mm, Near 2-6mm or better
d Distal End outer Diameter : 13.2 mm or less
e Angulation of Tip:
  A) Upwards: 180 Deg or more
  B) Downwards: 180 Deg or more
  C) Right : 160 Deg or more
  D) Left : 160 Deg or more
f Instrument Channel -3.2 -3.8mm
g Working Length- 1600mm or more
h **Total Length 2000mm** or more
i Accessories:
  1. Biopsy Forceps with or without needle-10 each compatible with the channel
  2. Polypectomy snare hexagonal and oval rotatable (2 Pack or 10 each)
  3. Hot Biopsy Forcepreuseabble- 2 each
  4. Electrosurgical snare- 2 each
  5. Biopsy probes- 10 each
  6. Cleaning brushes and channel opening brush - 5 each
  7. Washing pipe/ spray Cathether-20 each with each scope
  8. Injection needle 21G -10 with each scope
  9. Rotable Clip fixing device short and long -5each with one hundred single use clip.
  10. Endoloop ligating device (Applicator)n Length 1650mm and 2300 mm -5 each
  11. Endoloops 30mm 5 Boxes and 20mm 5 Boxes.
  12. Hemoclips -20 Each
  13. Extra Suction aand air water buttons 5 Each
  14. Biopsy channel valves- 2 packs of 100 each.

5 Duodenovideoscope (Therapeutic): - 1 Nos

Suitable for optical chrome endoscopy imaging such as NBI/SPIES/ISCAN/ FICE or equivalent

Fully Immerssible in Disinfectant solution

In build Scope identification memory chip for monitor display of scope's model

No. serial non, no of connections/Cumulative uses etc.

Scope should be the latest available in the world Market.

a. Field of view : 90-110 deg or more
b Direction of View: 5 Deg, backward oblique viewing
c Depth of Field: 4/5 to 60mm or better
d Distal End outer diameter: 11-14 mm or less
e Insertion Tube Outer Diameter : 11-14 mm or less
f Angulation of Tip:
  A) Upwards : 120 Deg or more

B) Downwards: 90 Deg or more
C) Right: 100 -110 deg or more
D) Left: 90 deg or more

g Working Length : 1.2-1.4 mtr
h Channel Inner Diameter: 4.2 mm or more
i Minimum Visible Distance : 10 mm or closer from Distal end
j Accessories :

ERCP Accessories-

1. Single use bendable cannula-10 each
2. Single use Hydrophillic cannula guide-wire -10 each (Straight 2150mm working length and 70mm hydrophilic length/angled 4500mm length and 70mm hydrophillic length)
3. V-System TM Single use triple lumen sphincterotome.-10 each
4. V System single use triple lumen needle knives-10 each
5. V system single use triple lumen balloons-10 each
6. Flower basket V single use stone extraction basket-10 each
7. Tetracatch V single stone extraction basket-10 each
8. Reusable hard type dormia basket-10 each
9. Single use lithocrush V mechanical lithotriptors-5, MAJ-441 reusable handle for lithocrush V-2,
10. reusuable Emergency Lithotripter-5 each
11. Single use cytology brush-20 each
12. single use high pressure biliary balloon dilators-20 each
13. single use inflation device for balloon dilators-4
14. Reusuable stent removal forceps-20 each
15. Guidewires (5 each):
16. Exchange Wire (0.035 Fr, 450 cm length)
17. Wire with Hydrolic tip at both end along with radio opaque marker over the tip (0.35 Fr, 450 cm) (Hydra Jag)"
18. Needle Knife for ERCP Use (Precut) (Five) Triple Lumen , 7 Fr to 5.5 Fr monofilament (Micro Knife XL)
19. Biliary Cytology Brush : Double Lumen with radio opaque marker : 5
20. Biliary Balloon Dilators with Inflation device : Double Lumen with radio opaque marker (6mm, 8mm & 10mm) Two

6 ERCP ElectrocauterySystem 1Nos

Specifications:

High Frequency 330-380 KHz
Type Protection Class :CF Class I
Power Supply :220V-240V, 50/60 Hz, 400VA
Size :295 x 375 x 115 mm
Weight : 6.5 Kg
Monopolaroutput :

- Socket 6mm A cord and 10mm 2 Pins for P cord connecting single/ split neutral electrodes
- Cut 1/2/3 120 W @ 500 ohms
- Pulse cut slow/fast 120 W@50 ohms
- Soft Coag 120 W@500 ohms
- Forced Coag 1: 50 W @500W
- Forced Coag 2: 120 W @500W"

Bipolar Output :

- Socket : 28.8 mm 2 pins and 4/8 mm coaxial
- Cut 1/2/3 : 120 W @ 500 ohms
- Soft Coag : 120 W @ 100 ohms
- RF Coaginc RCAP: 40 W @ 100 ohms"

Should be shock proof, supplied with a trolley, standard accessories, twoearthing pad, two foot switch,Electrocautery probes 10 each compatible with 2.8mm, 2 mm channel and 3.8mm.
Monopolar output: Cut 300 watt or more,
monopolar coagulation 120 watt or more.
Bipolar cut 120 watt or more,
bipolar coagulation: 120Watt or more.

7 Sigmoidoscope- 1 Nos

Clear, sharp, high quality images in a large size display
Ergonomically designed grip to enhance scope maneuverability
Four user programmable switches to improve operability.
Large Field of view of 140 Deg for better and close observation.
Large 3.7mm or more diameter instrument channel ensures strong suction capability and accommodates a wide range of endo-therapy accessories.
Should be equipped with auxiliary water port

1 Field of view : 140 deg or more
2 Direction of View: Forward viewing
3 Depth of Field:3 to 100mm or better
4 Distal End outer diameter: 13.2 mm or less
5 Insertion Tube Outer Diameter : `13.2 mm or less
6 Angulation of Tip
A.Upwards : 180 Deg or more
B. Downwards: 180 Deg or more
C. Right: 160 deg or more
D. Left: 160 deg or more
7 Working Length : 730 mm or more.
` 8 Total length : 1040 mm or more
9 Instrument channel : 3.7mm or more
10 Accessories
a) Biopsy Forceps with or without needle-10 each compatible with the channel
b) Polypectomy snare hexagonal and oval rotatable (2 Pack or 10 each)
c) Hot Biopsy Forcepreuseabble- 2 each
d) Electrosurgical snare- 2 each
e) Biopsy probes- 10 each
f) Cleaning brushes and channel opening brush - 5 each
g) Washing pipe/ spray Cathether-20 each with each scope
h) Injection needle 21G -10 with each scope
i) Rotable Clip fixing device short and long -5each with one hundred single use clip.
j) Endoloop ligating device (Applicator)n Length 1650mm and 2300 mm -5 each
k) Endoloops 30mm 5 Boxes and 20mm 5 Boxes.
l) Hemoclips -20 Each
m) Extra Suction aand air water buttons 5 Each
n) Biopsy channel valves- 2 packs of 100 each.

8 VIDEO PROCESSOR- 1 Nos

Should be compatible with Anlog, HD-SDI AND DVI Output for HDTV monitor should be available
Equipped with High resolution HDTV Imaging capacity
Compact and ergonomically designed
Should be compatible HD plus video scopes with optical chrome endoscopy imaging such as NBI/SPIES/I Scan/ FICE or equivalent
Should be having Inbuilt/ Separate light source.
Recording of both still/ moving images equipped with one touch connection of scopes.

Portable memory & USB slot for image recording
Automatic IRIS Control & automatic white balance
Should have pre Freeze function for image stabilization
Should have in built light source or separate light source with NBI/SPIES/I Scan/ FICE or equivalent
Image capability/HD Plus video high Intensity Xenon light Source (300Watt) with 500 hours life with emergency halogen light/LED for backup
Compatible for waterproof one touch connector.
Backlit Front panel indicator.Equipped with automatic light adjustment forced air-cooling, regulated air feeding pump and fan with low noise.
Should be supplied with two extra xenon bulbs and two extra halogen bulbs (in case back up bulb is halogen).
Compatibility with all endoscopes (Gastroscope, Ultrathin endoscope, colonoscope, duodenoscope,and both endosonoscope)
Video Output signal : RGB, Y/C and composite (all simultaneous)
The endoscope system must be suitable for high resolution, high magnification images of GI tract with ability to detect early cancers and pre- neoplastic lesions by optical enhancement of images.
The system must have the facility to provide images with optical chromoendoscopy.
Should be supplied with 2KW online UPS
Video Endoscopy workstation/trolley with space for accommodation of a LED HD monitor (26" or more in size) , HD video processor and light source, with scope
Two water bottles compatible with the processor
Two high pressure suction machine (>1KPA) should be supplied

9 HIGH DEFINITION LCD MONITOR
High definition LED 26”or more monitor – 1 no. with high resolution 1920X1080p
Lower Power consumption
Aspect ratio 16: 9/16:10 with resolution of 1080p. Color system should be PAL/NTSC
Should have Picture-in -Picture and Picture -out-Picture for viewing side by side split screen images.
Should be supplied with 40 " LCD TV for extension of Images for teaching purposes.
Should be supplied with 2KVA online UPS.

10 Suitable computer, Printer, Trolley, Suction machine (2 Nos) and endoscopic software to be supplied along with the unit.

11 Discontinued or recalled products should not be quoted

12 Complete system should be European CE or USFDA approved, other than suction machine, UPS, computer, printer, trolley and endoscopic software to be supplied along with the machine.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

   a) Five years Comprehensive Warranty as per Conditions of Contract of the TE documentfor 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, atleast 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 purchser 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

SVP (GB), 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	4 x 5(g)

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **Seal of the Tenderer**_____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4				5				6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)				Price per unit (Currency)				Total price on CIP Named Port of Destination + Insurance (local transportation and storage) 4X 5 (e)
				FOB price at port/ airport of Lading	Indian Agency Commission (% of FOB)* *	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 @ 16.27% and 2% C& F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

Indian Agent:
Indian Agency Commission - ___% of FOB
Signature of Tenderer_____

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

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)**
			1st	**2nd**	**3rd**	**4th**	**5th**		
			a	**b**	**c**	**d**	**e**		

*** After completion of Warranty period**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, 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 madeas 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.

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **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 madeas per clause GCC clause 21.1 (c).
4. The stipulations in Technical Specification will supersede above provisions

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **Seal of the Tenderer**_____

SECTION – XII
QUESTIONNAIRE

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

1. The tenderer should furnish specific answers 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

SVP (GB),
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

SVP (GB),
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)
And

(Name & Address of the Supplier)

Ref: Contract No_____ dated_____ (Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty of goods)

In continuation to the above referred contract

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

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

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

b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from_____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)

c) The cost of 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. Hospitalauthorised official)

_____

(Signature, name and address of Hospital 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., MorskaAgencja 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, EGYPY

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

(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: TRANSCHART, 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: TRANSCHART, 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

(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 an 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 an full address of your Banker (s) along with your Account Number			
11.	Have you fully accepted payment terms as per TE document?			
12.	Have you fully accepted delivery period as per TE document?			
13.	Have you submitted the certificate of incorporation?			
14.	Have you accepted the warranty as per TE document?			
15.	Have you accepted terms and conditions of TE document?			

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

N.B.

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

2. 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 / Dry Port
BDS PGIMS	Pt. Bhagwat Dayal Sharma University of Health Sciences, Rohtak and	The Director Pt. B.D. Sharma PGIMS, Rohtak. Ph. 01262-211300 -03, 212641,212643 -46, 48 & 50 FAX: 01262-211308	New Delhi	New Delhi (Tughlaqabad)
JNMC	Jawahar Lal Nehru Medical College, Aligarh (Aligarh Muslim University)	The Principal Jawahar Lal Nehru Medical College, Aligarh Muslim University Aligarh -202001 Uttar Pradesh Ph: 0571-2721165 Fax: 0571-2720039	New Delhi	New Delhi (Tughlaqabad)
GMCA	Government Medical College, Amritsar	The Principal Government Medical Collage Amritsar Circular Road, Amritsar Punjab 143001 Ph: 0183 257 2304	New Delhi	New Delhi (Tughlaqabad)

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