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/06/14–15

BY

HLL Lifecare Limited

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SECTION I

NOTICE INVITING GLOBAL e-TENDERS (NIT)
from
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FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY-II/06/14-15 **Dated 12.01.2015**

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 the institutions i.e. Government Medical College - Amritsar, Jawahar Lal Nehru Medical College (Aligarh Muslim University) –Aligarh , Pt.B.D.Sharma Post Graduate Institute of Medical Sciences,Rohtak and Dr. Rajendra Prasad Government Medical College - Tanda which are getting upgraded under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase II:

Sl. No	e-Tender Ref.No (Event No.)	Brief Description	Total Qty	EMD(Rs)
1	3000000086	Video Endoscopy sytem with accessories	1	1,80,000
2	3000000087	C-Arm for ERCP	2	1,60,000
3	3000000088	Fibroscan	1	2,82,000
4	3000000089	Argon Plasma Coagulation	1	40,000
5	3000000090	Endoscopic Ultrasound	1	2,00,000
6	3000000091	IABP (Intra Aortic Balloon Pump) - High End	3	1,80,000
7	3000000092	Color Doppler Echocardiography System With 3d Facility	4	5,60,000
8	3000000093	TMT Machine	2	80,000
9	3000000094	Hotler System	1	10,000
10	3000000095	Mammography with CR System	2	2,40,000
11	3000000096	800mA X-Ray unit with Single Detector (U/C Arm)	1	2,20,000
12	3000000097	800mA X-Ray unit with Ceiling Mount column and Dual Detector	1	3,40,000

Sl. No	e-Tender Ref.No (Event No.)	Brief Description	Total Qty	EMD(Rs)
13	3000000098	Ultrasound Machine with colour Doppler (2d)	6	3,60,000
14	3000000099	Ultrasound Machine Portable	2	1,20,000
15	3000000100	Endoscope System of Neurosurgery	1	60,000
16	3000000101	Operating Microscope-Neuro(High end)	2	5,52,000
17	3000000102	Ultrasonic Aspirator	2	1,00,000
18	3000000103	ENT Examination unit complete including cabinets with treatment couch etc(with compressed air&vac)	1	12,000
19	3000000104	OT Light	8	1,49,760
20	3000000105	VATS Equipment	1	60,000
21	3000000106	Neonatal Incubator	8	93,600
22	3000000107	Vitrectomy Machine	1	60,000

(2) **Tender No.: HLL/PCD/PMSSY-II/06/14-15**

Sl.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5000/- (Rs. Five Thousands Only)
b	Pre-bid meeting date , time & Venue	**28-January-2015,** 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**	**24-Feb-2015,1700 hrs (IST)** Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	**26-Feb-2015, 1230 hrs IST**
e	Time and date of opening of online bids	**27-Feb-2015, 1230 hrs IST**
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. Bidder's 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 site www.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.5,000/-) 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 **24-Feb-2015,1700 hrs (IST) . Submission beyond stipulated date & time would result in REJECTION of BID .**

Head (P&CD)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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A. PREAMBLE

1. Definitions and Abbreviations

1.1 The following definitions and abbreviations, which have been used in these documents shall have the meanings as indicated below:

1.2. **Definitions:**

(i) **"Purchaser"** means 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 Criterias requested (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 to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

19.1 Pursuant to GIT clauses 8.1 and 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.

19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).

19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:

i) Account Payee Demand Draft
ii) Banker's cheque and
iii) Bank Guarantee

19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HLL Lifecare Limited" payable at New Delhi. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.

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

19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.

19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

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

20. Tender Validity

20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend

the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.

20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Digital Signing of e-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 Govt Dept/ 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 **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Tenders of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno – Commercial tender. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out.

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

26.1 Tenders will be evaluated on the basis of the terms & conditions already incorporated in the TE document, based on which tenders have been received and the terms, conditions etc. mentioned by

the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

27. Scrutiny of Tenders

27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.

27.2 The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence

27.3 Deleted

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not 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 of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract (rounded of to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract.

41. Notification of Award

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

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

42. Issue of Contract

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

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

42.3 The Purchaser/Consignee reserve the right to issue the Notification of Award consignee wise.

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

43.1 Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for forfeiture of its EMD and, also, for further actions by the Purchaser/Consignee against it as per the clause 24 of GCC – Termination of default.

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

(i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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)
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GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 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, Bereau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

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

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or 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 used during warranty and CMC period.

13. Incidental services

13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.

i) Installation & commissioning, Supervision and Demonstration of the goods
ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
iv) Supplying required number of operation & maintenance manual for the goods

14. DISTRIBUTION OF DISPATCH DOCUMENTS FOR CLEARANCE/RECEIPT OF GOODS

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract.
Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

A) For Domestic Goods, including goods already imported by the supplier under its own arrangement

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post / courier (or as instructed in the contract):

(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
(ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Certificate of origin;
(vi) Insurance Certificate as per GCC Clause 11.
(vii) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

B) **FOR GOODS IMPORTED FROM ABROAD**

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

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

15. WARRANTY

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials, manufacturing or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 The **warranty** shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.

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

- Any kind of motor.
- Plastic & Glass Parts against any manufacturing defects.
- All kind of sensors.
- All kind of coils, probes and transducers.
- Printers and imagers including laser and thermal printers with all parts.
- UPS including the replacement of batteries.
- Air-conditioners

c. Replacement and repair will be under taken for the defective goods.

d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.

15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods

15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.

15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.

15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

16. ASSIGNMENT

16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.

17. SUB CONTRACTS

17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.

17.2 Sub contract shall be only for bought out items and sub-assemblies.

17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. MODIFICATION OF CONTRACT

18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:

a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
b) Mode of packing,
c) Incidental services to be provided by the supplier
d) Mode of despatch,
e) Place of delivery, and
f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

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

19. PRICES

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

20. TAXES AND DUTIES

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

21. TERMS AND MODE OF PAYMENT

21.1 Payment Terms

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

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

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

a) On delivery:

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

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

(ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(vi) Certificate of origin.

b) On Acceptance:

Balance 25% payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. FAC need to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

B) PAYMENT FOR IMPORTED GOODS:

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

a) On Shipment:

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

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

b) On Acceptance:

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

c) Payment of Indigenous Goods :

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

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

e) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

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

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

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

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

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

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

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

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

"I/We, _____ certify that I/We have not received back the Inspection Note duly 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

SN	Brief Description	E-Tender Ref No.(Event No)	DRPMC Tanda		BDS PGIMS Rohtak		JNMC Aligarh		GMC Amritsar		Total Qty	Warranty Reqd Years	CMC Required
			Department	Qty	Department	Qty	Department	Qty	Department	Qty			
1	Video Endoscopy sytem with accessories	3000000086	Gastro-enterology	1		-		-		-	**1**	5	Yes
2	C-Arm for ERCP	3000000087	Gastro-enterology	1	Neurosurgery (High End)	1		-		-	**2**	5	Yes
3	Fibroscan	3000000088	Gastro-enterology	1		-		-		-	**1**	5	Yes
4	Argon Plasma Coagulation	3000000089	Gastro-enterology	1		-		-		-	**1**	5	Yes
5	Endoscopic Ultrasound	3000000090	Gastro-enterology	1		-		-		-	**1**	5	Yes
6	IABP (Intra Aortic Balloon Pump) - High End	3000000091	Cardiology	1	Cardiac Thoracic Surgery (High End)	1	Cath. Lab & CTVS OT	1		-	**3**	5	Yes
7	Color Doppler Echocardiography System With 3d Facility	3000000092	Cardiology	2	Cardiology (High End), Cardiac thoracic surgery (high end)	2		-		-	**4**	5	Yes
8	TMT Machine	3000000093	Cardiology	1		-	OPD & Trauma	1		-	**2**	5	Yes
9	Hotler System	3000000094	Cardiology	1		-		-		-	**1**	5	Yes

SN	Brief Description	E-Tender Ref No.(Event No)	DRPMC Tanda		BDS PGIMS Rohtak		JNMC Aligarh		GMC Amritsar		Total Qty	Warranty Reqd Years	CMC Required
10	Mammography with CR System	3000000095		-		-		-	Radiology	2	**2**	5	Yes
11	800mA X-Ray unit with Single Detector (U/C Arm)	3000000096		-		-		-	Radiology	1	**1**	5	Yes
12	800mA X-Ray unit with Ceiling Mount column and Dual Detector	3000000097		-		-		-	Radiology	1	**1**	5	Yes
13	Ultrasound Machine with colour Doppler (2d)	3000000098		-	Trauma Care Centre (Low End) (1 nos), Radiology (High End)(2 nos)	3	OPD & Trauma	1	Radiology	2	**6**	5	Yes
14	Ultrasound Machine Portable	3000000099		-		-		-	Radiology	2	**2**	5	Yes
15	Endoscope System of Neurosurgery	3000000100		-		-		1		-	**1**	5	Yes
16	Operating Microscope-Neuro(High end)	3000000101		-	Neurosurgery (High End)	1	OPD & Trauma	1		-	**2**	5	Yes
17	Ultrasonic Aspirator	3000000102		-	Neurosurgery (Low End)	1	OPD & Trauma	1		-	**2**	5	Yes
18	ENT Examination unit complete including cabinets with treatment couch etc(with compressed air&vac)	3000000103		-		-	OPD & Trauma	1		-	**1**	5	Yes

SN	Brief Description	E-Tender Ref No.(Event No)	DRPMC Tanda		BDS PGIMS Rohtak		JNMC Aligarh		GMC Amritsar		Total Qty	Warranty Reqd Years	CMC Required
19	OT Light	3000000104		-		-	OPD & Trauma (6 Nos.) Obst.& Gynae (2 Nos.)	8		-	**8**	5	Yes
20	VATS Equipment	3000000105		-		-	Cath.Lab & CTVS OT	1		-	**1**	5	Yes
21	Neonatal Incubator	3000000106		-	Paed Medicine	6	Obst. & Gynae.	2		-	**8**	5	Yes
22	Virectomy Machine	3000000107		-	Regional Institute Of Ophthalmology	1		-		-	**1**	5	Yes

Part II: Required Delivery Schedule:

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

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

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

b) For Imported goods directly from foreign:

90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period).
Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will be 60 months from the date of installation, commissioning and acceptance or 66 months from the date of last shipment/dispatch, whichever is earlier.
Comprehensive Maintenance Contract (CMC) as per details in Technical Specification as specified in part I above

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

The shipping arrangements shall be made in accordance with the instruction of Ministry of Shipping & Transport, New Delhi, India as detailed in Annexure 1 at Section XIX.
Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Destination/Consignee details are given in Section XXI

Section – VII
Technical Specifications

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

Note 2: General: Bidders are requested to make sure that they should attach the list of equipments for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipments to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipments. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipments checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.

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

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

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

TECHNICAL SPECIFICATIONS

Schedule No.01

Video Endoscopy System with accessories

1. Upper GI Endoscope

a. Outer diameter - 8-9.5 mm

b. Field of view – 120^0 or more

c. Depth of field - 3-100 mm or more

d. Direction - Forward viewing

e. Angulation of tip :

(A) Upwards - 210^0 or more

(B) Downwards - 90^0 or more

(C) Right - 100^0 or more

(D) Left - 100^0 or more

f. Instrument channel - $\geq$ 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) Endoscopic Hemoclip applicator-Reusable - 2 Nos

(F) Endoscopic hemoclips

1. Medium size - 1 pack
2. Large size - 1 pack

(G) Celeston Esophageal dilators - 1 Set

(H) Extra Xenon bulbs - 1 Nos

(I) Extra Water bottle - 1 No

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

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

2. Ultrathin Endoscope

a. Outer diameter - 5 - 6 mm

b. Field of view - 100^0 or more

c. Direction - Forward

d. Working length - 1 – 1.2 meters

e. Depth of field - 3 to 100 mm or more

f. Angulation of tip -

(A) Upwards - $> 180^0$

(B) Downwards - $> 70^0$

(C) Right - $> 90^0$

(D) Left - $> 90^0$

g. Instrument channel - > 2.0 mm

h. Automatic scope identification system with compatible video processor

i. The system must be suitable for high resolution , high magnification images of GI tract with facility to provide images with optical chromoendoscopy

j. Should be compatible with video processor for other endoscopes.

k. Standard accessories

(A) Cleaning brush - 10 Nos

(B) Biopsy forceps - 5 Nos

(C) Suction and air water valves - 5 Nos

3. Colonoscope

a. Outer diameter - 11-13 mm

b. Field of view - 120^0 or more

c. Depth of field - 3-100 mm

d. Angulation of tip -

(A) Upwards - 180^0 or more

(B) Downwards - 180^0 or more

(C) Right - 160^0 or more

(D) Left - 160^0 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)

4. Duodenoscope

a. Direction of view - side viewing

b. Working length - 1.2 - 1.4 meters

c. Field of view - 90^0 or more

d. Depth of field - 5-50 mm or more

e. Outer Diameter - 11-14 mm

f. Angulation of tip -

(A) Upwards - 120^0 or more

(B) Downwards - 90^0 or more

(C) Right - 100^0 or more

(D) Left - 90^0 or more

g. Instrument channel - 4.2 mm or more

h. 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.

i. Automatic scope identification system with compatible video processor.

j. Also provide standard accessories:

(A) Biliary cytology brush : Double lumen with radio opaque marker : 2(Two)

(B) Biliary Balloon Dilatators with inflation device:

1. Double lumen with radio opaque marker (6 mm, 8mm, & 10mm) (two each)

(C) Biliary dilatation catheters: one complete set

(D) Needle knife for ERCP use (Precut) - 2Nos

(E) Sohendra, Emergency biliary stone extractor device: One

(F) ERCP cannulas –

1. Standard Chrome tip (Short and long) (Two each)
2. Triple Lumen (Two each)

(G) ERCP Sphincterotome –

1. Triple lumen 20 mm cutting wire with short tip with safety coats on cutting core - 2Nos

(H) Guide wires (Two each type)

1. Exchange wire (0.035 Fr, 450 cm length)
2. Wire with Hydrophilic Tip at both end along with radioopaque marker over the tip (0.35 Fr, 450 cm) (Hydra Jag)

5. 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 and composite (all simultaneous)

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

i. Compatibilty with all the above 4 endoscopes (Gastroscope,Ultrathin Endoscope,Colonoscope and Duodenoscope)

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.

6. Video Cart 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

7. Colour HD Video Monitor with video processing unit 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

8. Data recording systems and devices 1 No.

a. Recording system should be full HD (1920x1080) and having the one TB storage space and DVD R/W facility

b. It should have facility to view live and recorded images

c. Colour Video Monitor 1 No.

1. Resolution (horizontal) – 1920x1080 or more
2. Options for picture adjustment namely chroma, brightness, contrast, phase etc.
3. Screen size – 19" or more

9. 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

10. Suitable on line UPS with 30min. battery backup for complete system except for computer system to be provided.

11. Offered system should be European CE and USFDA approved.

Schedule No.02

C-Arm for ERCP

1. Mechanical C arm

Fully counterbalanced iso-centric C-arm having

a. Orbital movement : More than 110 degrees

b. Angulation : Atleast 135 degrees

c. Horizontal Movement : More than 190mm

d. Vertical movement : Atleast 40 cm motorized

e. Swivel range : ± 10 degrees

f. Source to I.I distance : 70 cm or more

g. Depth of immersion : 60cm or more

h. Free space within C-arm : Atleast 60 cm

2. X-Ray Parameters

a. Microprocessor controlled, high frequency x-ray generator not less than 6 Kw

with minimum 50 KHz frequency

b. The generator should be capable of providing a boost or a high dose fluoroscopic exposure at least 9 mA

c. The x-ray tube should have the facility for both fluoroscopy and radiography

d. The x-ray tube should have a rotating anode

e. The x-ray generator should have the facility for digital pulsed fluoroscopy with a pulse rate of minimum 12 frames per seconds.

f. The x-ray generator should have the facility or half dose and quarter dose fluoroscopy.

The equipment should also provide the following

g. Fluoroscopy : 40-110kV; minimum 9mA

h. Digital radiography mode : 40-110 kV; minimum 50 mA

i. Automatic dose rate control

j. Additional safety filtration for scattered radiation

k. An integrated laser light localizer, radiation free collimation

l. Multifunction foot switch to control all operation modes and single image storage out of the sterile field

m. Inbuilt heat management capabilities for long interventional procedures

n. Anode heat storage capacity should be 200 KHU or higher

o. The system should operate in full capacity on 220volts AC, 15 Amp

3. TV System

a. Image intensifier should be of dual mode, minimum 9"size, with zoom facility

b. The television camera should be of CCD type with acquisition in 1024x1024K

c. The camera gain and iris collimator should be computer controlled

d. The system should have at least two 17"TFT/ LCD monitors with brightness of atleast 400 cd/m^2

e. Image inversion – right-left, top-down

f. Cable free rear side

4. Image processing

a. Automatic dose level selection

b. Automatic image parameter selection with provision to change over to manual selection

c. Image storage of minimum 1,00,000 images in a 1K x 1K matrix

d. Image annotation facility, measuring of distances and angles

e. Entering of demographic data of patients

f. Support of all DICOM 3.0 functions

   i. DICOM ready

   ii. Storage

iii. Send/ Receive

iv. Print

v. Work list

vi. Query/ retrieve

vii. For post processing, archiving and documentation

viii. With CD and DVD in DICOM format

ix. With USB in DICOM and BMP format

5. Accessories

a. Imaging table with following specifications : 1 No

i. 3 axis floating top table with carbon fibre top, stain free, radiolucent with minimum attenuation

ii. The table should have electromagnetic locks

iii. Length of table top : atleast 240 mm

iv. Width of table top : atleast 460 mm

v. Longitudinal travel : ±300mm or more

vi. Transverse travel : ± 100 mm or more

vii. Up/ down movement : 200 mm or more

viii. Height of table top : 850-1075 mm

b. Lead aprons (0.5 mm lead Eq) : 5 Nos

c. Thyroid shields : 5 Nos

d. Gonadal shields : 5 Nos

e. Thin LCD view box 2 films of minimum 17” size : 2 Nos

f. Suitable UPS for the system with at least 30 minutes battery back up

Both C-arm and imaging table offered should be European CE or US FDA approved
Offered C-arm should be AERB type approved

Schedule No.03

Fibroscan

1) The machine should measure the stiffness of liver and the steatosis in a non-invasive manner
2) The machine should work on 220 V.
3) The probe should be applied to the surface of the skin for measurements.
4) The options of use of different probes for adults, children and obese patients
5) The operating system should be windows based
6) Controlled attenuation parameter for steatosis measurement
7) All necessary hardwares and software's for functioning of the machine should be provided
8) The data should be transferrable on a pen drive/ CD ROM

Accessories: Suitable UPS with minimum 30 min battery backup
Color laser jet printer

The quoted model should be European CE or USFDA approved.

Schedule No.04

Argon Plasma Coagulation System

1) General/ Compatible electrosurgical unit

Specifications
All components of system should be mountable on single trolly
Modes of operation: Foot switch
Option of automatic flow setting
Electrosurgical unit should have option for both monopolar and bipolar cutting
Coagulation mode should have option of variable coagulation like soft coagulation, forced coagulation, spray coagulation
Should ensure effective, even surface coagulation for uniform haemostasis and tissue coagulation
Monopolar cutting should have option for automatic voltage and arc control
Should have option for pure cutting, pure coagulation, and blended currents
Should have the facility to automatically adjust the current according to tissue resistance
Bipolar coagulation probe –, 01 in number
Electrosurgical unit should have two or more HF connecting sockets
HF power limitations: 350-400 Watt or more for cut, 120W or more for coagulation with option of change in steps
Option of activating cutting/coagulation mode by pedal

Automatic monitoring of the electrical connection between the neutral electrode and high frequency surgical unit
Automatic monitoring of the electrical connection between the neutral electrode and patient
Automatic monitoring of the HF currents in a monopolar applied part
Should work on AC supply 220 volts, 50 Hz

2) APC Unit

Specifications
Provision for connection of two cylinders of gas of 2 – 5 L
Type of gas: Argon
Power output: Around 200 watts Maximum cut output: upto 120 watts
Adjustable gas flow 0.1 -8 litres/ min or more depending adjustable in steps of 0.1 litre
Should have two different modes of APC
Option of flushing with flushing duration of 5 seconds or less
Gas gauge
Pressure gauge manometer on the gas tank
Option of controlling the depth of coagulation by choosing different coagulation mode
Argon gas cylinders-2 Nos. 5Litre capacity should be supplied

3) APC probes

Specifications
APC probe should be reusable, sterilizable and washable
APC instrument should automatically recognize by integrated automatic instrument recognition
Should be compatible with endoscope channel diameter of 2.8 mm or more
Different catheters : Length 1.5 meters to 2.5 meters (Straight beam) – 3 Length 1.5 meters to 2.5 meters (Side conical) – 3
Tip for gas flow with straight conical beam, side conical beam
Prices for the probes should be fixed for next 7 years

4. Patient plate with compatible cords

Specifications
Patient plate with compatible cords – reusable, two in numbers

5. Trolly

Specifications
Indigenous compatible trolly for mounting all components of APC unit

6. Irrigation pump for endoscopic procedures

Specifications
Option of tissue washing activation either by using the footswitch or directly at the unit
Variable rate of water flow with option of selection
Maximum flow rate (with compatible tubing set) 500 ml/ min or more
Compatible tubing set for use with Olympus endoscopes

7. Others

Specifications
Indigenous compatible constant voltage transformer if required with the system
All connecting cables to make the system work

8. Complete system should be European CE or US FDA approved.

Schedule No.05

Endoscopic Ultrasound

System Includes:

i) Ultrasonic Gastrovideoscope (Radial) – Optional – price to be offered seperately

ii) Ultrasonic Gastrovideoscope (Linear)

iii) Ultrasound Processor with color Doppler function.

iv) Video Processor Module

v) 300 Watt Xenon Light source

vi) High resolution Flat Monitor

vii) Video Cart

viii) Endoscopy Computer System

ix) Endoscopy Report Generation Software

Specifications:

Ultrasonic Gastro videoscope (Radial) : One in number (Optional - price of this item to be offered separately)

Should have following technical specifications/ features :

a) Ultrasonic features

1. Scan mode should have B Mode/Color Doppler

2. Electronic radial scanning angle of 360 and facility for image rotation

3. Scanning Direction should be Latitudinal with Scanning System (i.e. perpendicular to insertion direction)

4. EUS images with multiple selectable frequencies between 5 to 10 MHz

b) Endoscopic features

1. Field of view should be around ≥100 degree

2. Direction of view should be Forward

3. Depth of field should be 5 to 100 mm or less

4. Distal end outer diameter < 13mm

5. Distal should have short rigid portion for less trauma to the patient

6. Insertion tube outer diameter of <12.5 mm

7. Instrument channel diameter of 2-3 mm

8. Lens cleaning function for keeping the endoscopic field of view clear at all times

9. EUS Scope should be fully immersible for thorough cleaning

Ultrasonic Gastrovideoscope (Linear) : One In number

Should have following technical specifications/ features :

a) Ultrasonic features

1. Scan mode should have B Mode/Color Doppler

2. Electronic curved linear scanning angle of ≥120.

3. Scanning Direction should be Longitudinal with Scanning System (i.e. parallel to insertion direction)

4. EUS images with multiple selectable frequencies between 5 to 10 MHz

b) Endoscopic features

1. Field of view should be around ≥100 degree

2. Direction of view should be 50-60 degree Forward-oblique

3. Depth of field should be 5 to 100 mm or less

4. Distal end outer diameter ≤ 12 mm

5. Distal should have short rigid portion for less trauma to the patient

6. Insertion tube outer diameter of ≤11 mm

7. Instrument channel diameter of ≥ 2.8 mm

8. Lens cleaning function for keeping the endoscopic field of view clear at all times

9. EUS Scope should be fully immersible for thorough cleaning

10. Videoscope should have FNA (therapeutic) capability

11. Better to have compatibility of special light function such as NBI, FICE and i-scan

Ultrasonic cable : One In number

- Should have compatibility with the linear scope quoted here

Ultrasound Processor with Color Doppler Function : One In number

- Compact & easily transportable unit with Ultrasound & color Doppler function
- Compatible with above mentioned EUS scopes
- Compatible with trans-abdominal USG probes (one wideband convex and one linear trans-abdominal probe should be supplied with the system) – Optional – **price to be offered seperately**
- 3D imaging options should be available
- 4D imaging options should be available (one 4D probe should be supplied with the system)
- Real Time Spatial Compound imaging technology should be available
- High Definition dynamic tissue Harmonic Imaging should be available
- Multiple selectable frequencies between 5 to 10 MHz
- Touch screen, dedicated and user friendly key board.
- Possibility to retrieve images through USB port and DVD-RW to record.
- Picture in picture for both ultrasound and endoscopic image simultaneously

- Elastography facility would be preferred

Video Processor : One in Number

- Compact, lightweight and digital color video processor
- Should be compatible with above mentioned EUS scopes, suitable light source and high definition monitor
- Equipped with high resolution HDTV Imaging and processing capacity.
- Should have different input and output ports including RGB
- Should have optical chromoendoscopy capacity (NBI, Fice or i-scan)
- Recording of both still & moving images
- Portable Memory & USB Slot for image recording
- Automatic IRIS control & automatic white balance
- Should preferably have an electronic zoom facility

Light Source (Xenon short arc Ozone free 300 Watt lamp) : One in Number

- Equipped with high intensity Xenon Light source (100W) with atleast 500 hours life.

Flat Screen Monitor- One in number

≥26"Flat screen full HD LCD Medical grade Monitor: should have following features & Specifications:

Color system: PAL/NTSC/BNC
Resolution max: 1920×1200,
Multimodality display capability (Picture in picture, picture out picture)
Outputs: SDI/HD-SDI, Composite, S-Video, RGB, DVI-D
Brightness: at least 300 cd/m2
Contrast: 1000:1

Video Cart- One in number

BASIC VIDEOCART: The system should be supplied with an original suitable cart (trolley) to move the system from one place to another.

Endoscopy Computer System- One in number

3rd generation Intel dual core processor with ≥4 GB RAM, Windows 7 professional and 1TB hard disk
23" Color LCD monitor
CD writer
High resolution color printer
Optical wireless mouse
Wireless Keyboard
Computer trolley

Endoscopy Report Generation Software- One in number

Compatible with Windows XP/Vista/7/8
Image and video recording facility
Image and video editing facility
User friendly

Complete system should be European CE or USFDA approved.

Schedule No.06

IABP (Intra Aortic Balloon Pump) - High End

1 Description of Function

1.1 Intra-aortic balloon pump (IABP) is a mechanical device that is used to decrease myocardial oxygen demand while at the same time increasing cardiac output. By increasing cardiac output it also increases coronary blood flow and therefore myocardial oxygen delivery.

2 Operational Requirements

2.1 Microprocessor / microcontroller based system. System should be complete with Display Control system and pneumatic drive unit.

3 Technical Specifications

3.1 Pneumatics:
Drive system: Stepper motor driven bellows
Drive gas- Helium (Available with disposable canister or refillable cylinder.
Pumping Volume: 0.5 cc-50 cc Counter pulsation rate: 40-200 pulsations per minute

3.2 In Automatic Mode: System should be capable of automatically selecting appropriate trigger i.e. ECG or Pressure and also accurately select the inflation and deflation points, in automatic mode. In automatic mode of operation user should be in control of the deflation point. In Automatic mode Advance software should automatically adapt the timings for various rhythms and rate variations, without any user intervention. In Automatic mode it should automatically identify Arrhythmias and adopt R wave deflation mode for better patient support, without any user intervention In Manual mode the system allows user control of most of the pump functions.

3.3 Should be able to trigger on 7 mm Hg of Pulse pressure when used in Pressure Trigger mode

3.4 Single key start-up to make it fast, user friendly and easy to use

3.5 Should be able to display at least 3 wave forms as ECG, Invasive Pressure and Balloon Pressure wave forms

3.6 Large display for brighter and very good visibility from a distance in lighting conditions

3.7 On screen indication for Helium level in the cylinder and battery level for timely intervention and correction.

3.8 ECG inflation marker to indicate inflation period on ECG which can be useful when arterial pressure form is not available.

3.9 On screen indication of standby time and should give alarm after 15-30 minutes, to draw user's attention on the system being on standby

3.10 Optical Blood leak detect for early indication of blood coming into the balloon lumen due to IABC leak

3.11 Should have extensive Help Text available during start-up to make the system easy to use even for new users.

3.12 Should give extensive Help messages to correct the alarm conditions that are specific to the alarm condition. This should help the user to overcome the alarm problems immediately and with ease.

3.13 Should be capable of removing condensation automatically without user intervention and should be maintenance free.

3.14 Should have Peripheral Vascular Doppler for detecting limb ischemia, which is attached to the main equipment

3.15 Should have automatic Altitude correction to make it safer for the use during Air Transport

3.16 Should have software which allows the user to monitor the IABP from any remote location via a modem

3.17 In-built Comprehensive Service Diagnostics to help the technician to locate the fault immediately

3.18 Should have capability to connect on the Hospital network

3.19 Integrated Printer OR Chart recorder to print the reports.

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 System should be supplied with the following:
ECG cable with Refillable Helium cylinder compatible with the IABP system Qty: 3 Nos.

4.3 Intra Aortic Balloon Catheter for Adults, Size: 34cc - Qty: 4 Nos, Size: 40cc - Qty: 6 Nos.
Reusable Invasive Blood pressure transducer system with pressure flush device system. Qty: 2 Nos.

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

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 V AC, 50Hz fitted with Indian plug

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

7 Standards, Safety and Training

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

7.2 Manufacturer/Supplier should have ISO 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 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.

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

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

Schedule No.07

Color Doppler Echocardiography System With 3d Facility

1 Description of Function

1.1 Colour Doppler Echocardiography System is required to study the anatomical abnormalities and blood flow in the heart and associated vessels.

2 Operational Requirements

2.1 Latest generation Electronic Phased array Colour Doppler system with Minimum 50,000 digital processing channels with LIVE 3D imaging. System should be DICOM ready and capable of being interfaced with HIS/RIS/PACS.

2.2 Should be field up gradable to next generation system on site. All new software should be upgraded free of cost for at least 5 years

2.3 Frequency compounding or better technology for better resolution and penetration.

3 Technical Specifications

3.1 Latest generation Electronic Phased array Colour Doppler system with Minimum 50,000 digital processing channels with LIVE 3D imaging.

3.2 256 grey shades for sharp contrast resolutions

3.3 Adult & Paediatric Trans thoracic Cardiac, TEE (Adult & Paediatric) and Vascular Probes to be supplied which should be latest generation wide band transducers.

3.4 Harmonic Imaging- System should have following modes in harmonic with separate setting for:

a. Tissue Harmonic.
b. Contrast Harmonic
c. Harmonic Angio.
d. Quantification of harmonics imaging

3.5 Harmonic imaging capability in Adult Cardiac, Paediatric Cardiac and linear Probe

3.6 Gain control in two dimensions for additional level of flexibility to image quality control.

3.7 Real time high frequency 2D for higher resolution and low frequency Doppler for higher sensitivity in all probes.

3.8 Frame rate should be 300 FPS or more

3.9 Steerable PW/CW in all Phased Array probes.

3.10 High-definition acoustic zoom for enlarging sections of 2D and Colour flow images with more acoustic information for greater clarity and detail while maintaining an optimal frame rate.

3.11 Modes - 3D, 2D, M-Mode, Steerable PW/CW Doppler, Colour Doppler, and High Definition Colour flow.

3.12 Monitor should be 15" or more, high-resolution colour Monitor. Tilt and Swivel monitor should be able to view in all angles and all light conditions.

3.13 Colour Flow Imaging for

a. Increased lateral & spatial resolution.
b. Detection of even subtle areas of turbulence, displaying a more physiological blood flow appearance without loss of frame rate.
c. Colour flow with capability of automatically picking up colour flow as a function of focal depth

3.14 Tissue Colorization (B-Colour) for improved contrast resolution

3.15 Application software for Adult, Paediatric, Foetal and Peripheral Vascular and Trans oesophagal applications. (All application packages should be built into the system)

3.16 Cine loop memory- more than 120MB of memory or equivalent cineloop memory in frames/sec.

a. High Frame rate review for better clarity of playback images study in slow motion.
b. Quad loop with memory for pre and post image comparison of any procedure.
c. Memory- 256 frames or more in quad loop. M Mode & Doppler Scroll Memory-40 seconds or more.

d. Frame grabber facility for post analysis.

3.17 Various maps for pre and post processing.

3.18 ECG trigger facility.

3.19 User defined system and application presets for multi-user department.

3.20 DVD/CD writer or flash memory and USB connector

3.21 Dedicated integrated dynamic stress echo package for flexible user defined protocols with stacked sub loops facility and contrast stress protocol usable for stress echocardiography.

3.22 Tissue movement colorization with quantification possibility for IHD/CAD/Heart Failure patients.

3.23 Three or more transducer ports.

3.24 Colour Map resolution up to 128 levels.

3.25 Facility for high definition digital acquisition, review and editing of complete patient studies.

3.26 PC based Peripheral system comprising of dedicated computer at least 250 GB storage space (Hard disc) with 4 GB RAM or more with a Microprocessor speed of more than 3.00 GHz, frame grabber incorporated (All Software Inclusive) interfaced with the echocardiography machine with DVD writer and a high quality Colour Laser printer. CD/DVD produced should be playable on any system.

3.27 Colour M-Mode

3.28 System should be capable of generating real time live 3-Dimages

4 System Configuration Accessories, spares and consumables

4.1 Colour Doppler System with all application packages Quad loop for serial studies with High frame rate review.
Harmonic imaging capability in all modes. (Tissue, Contrast, Anglo) Integrated Stress Echo Package Digital Storage and Retrieval — 01

4.2 Adult Cardiac probe Electronics Phased Array probe. —01

4.3 Paediatric Cardiac probe Electronics Phased Array probe. — 01

4.4 Electronics Phased Array Probe for Vascular applications- 01

4.5 Multi plane TEE Probe for Adult and Paediatric echocardiography —01 each.

4.5(a) 3D Volume Probe (5 MHz) has to be offered — 01No.

4.6 DVD/CD Recorder with 1000 CDs and 1000 DVDs

4.7 Colour Print Paper- 500 sheets

4.8 ECG Cable — 02

4.9 Laser Colour Printer — 01

5 Environmental factors

5.1 The unit shall be capable of operating continuously in ambient temperature of 30° C and relative humidity of 80%.

5.2 Pre Requisites should be clearly spelt out in terms of room requirements.

6 Power Supply

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

6.2 Resettable over current breaker shall be fitted for protection

6.3 Online UPS of suitable rating with voltage regulation and spike protection for 30 minutes back up.

6.4 Suitable Servo Controlled Stabilizer / CVT should be provided. **(Price to be offered separately)**

7 Standards, Safety and Training

7.1 Should be US -FDA or European CE approved product. Copy to be enclosed

7.2 Manufacturer/Supplier should have ISO certification for quality standards.

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 available in stock with the supplier.

8.4 Certificate of Calibration and inspection from the factory

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.

8.6 List of Equipment available for providing calibration and routine Preventive Maintenance Support as per manufacturer documentation in service/technical manual.

9 Demonstration of Quoted model is must.

Schedule No. 08

TMT Machine

1 Description of Function

1.1 Exercise stress testing systems offer a wide array of unique diagnostic software options to evaluate myocardial function. Automatic arrhythmia detection, ST-segment analysis, and T-wave alternans are a few examples. In conjunction with a treadmill or ergometer, these systems provide a controlled environment for the observation of the effects of increases in myocardial oxygen demand: exercise-induced systolic hypotension, exercise-induced angina, and/or the appearance of a heart murmur during exercise.

2 Operational Requirements

2.1 System complete with PC, Software, TMT and necessary cables is required with Bluetooth enabled wireless ECG transmission module.

3 Technical Specifications

3.1 System should acquire and analyze 12 leads.

3.2 System should be based on Windows platform with 17" color monitor having minimum resolution 1280 x 1024. 80 GB HDD, CD-RW, Mouse, UPS for analyzer.

3.3 Should provide standard Full Interpretation of Supine ECG with reasoning.

3.4 Display of real time 12 lead diagnostic qualities ECG waveform, average complexes beat of all 12 leads with superimposed color comparison along with digital value of ST level and slope. Print the graph on the recording paper.

3.5 Automatic detection, display, Storage and review of arrhythmia, Heart Rate, Double Product and METS. It should have online HR METs and ST running trends available on the screen during exercise.

3.6 System should have ability to manual edit of J & Isoelectric point during exercise. Filters for line frequency and special filters to reduce noise and baseline artifacts without compromising the ECG frequency response.

3.7 System should have full disclosure play back, review and storage of patient ECG raw data for unlimited numbers depending upon size of the hard disk. The unit should have the ability to readjust "J-ST" interval measurement + 1 m sec points and generate a new report from stored raw ECG data.

3.8 System should provide multiple and customizable printing formats as per user's choice on A-4 size high resolution thermal printer for online real time printings. Compatible laser printer for printing reports on plain paper also to be supplied.

3.9 System must have ECG trigger output to interface with external automatic devices.

3.10 Heavy Duty Treadmill : Noise free TREADMILL with speed ranging from 0.5 to 20 kmph and grade of 0 – 22% with suitable servo stabilizer.

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

None

6 Power Supply

6.1 Power input to be 220-240VAC, 50Hz
6.2 Suitable Servo controlled Stabilizer/CVT

7 Standards, Safety and Training

7.1 Should be FDA or CE approved product

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 No. 9

Holter System

1. Description of function

Holter system provides for 24/48 hours and **7 days** of continuous ECG recording and analyzing for detecting heart rate abnormalities which may otherwise go undetected.

2 Operational requirements

2.1 Should be able to record 24/48 hours and 7 days of 3 lead ECG waveforms on small Holter Recorders

2.2. Should automatically detect and quantify different ventricular and supraventricular events , including atrial events (atrial fibrillation , isolated prematures , pairs , bigeminy , trigeminy , runs, shorts pauses, long pauses, bradycardia and tachycardia) and ventricular events (isolated ectopics, premature ectopics, interpolated ectopics late ectopics, R on T, bigeminy, trigeminy, couplets, triplets, and runs).

3 Technical Specifications

3.1 The system should be PC based with PC Specifications (HP/Compaq / Dell) (1 no: Desk top ; 1 No Lap top – 15" screen size min.) as following:
Computer Processor: i5 core.
Memory: 2 GB RAM, Network read facility.
Hard Disk: 500GB hard disk
CD-ROM / WRITER: 52x-speed drive or faster.
USB: Universal Serial Bus port.Min.4 ports
Monitor: Color Super VGA 22" flat monitor capable of displaying 1280 x 1024 resolution.
Printer: HP LaserJet 2300 or higher.
Slot: Minimum one free PCI expansion for card reading.
Software: Vista Ultimate or higher.
Should be supplied with a desktop (1 No) and a lap top (1No).

3.2 Should provide continuous 12 Lead ECG capability that allows viewing and printing of a 12 Lead ECG from three channel ECG recording at any time during the 24\48 hour recording. The same recorder should have the capability of having 3 lead ECG for 7 days

3.3 Should employ multiple analysis modes, including prospective, paging and superimposition, retrospective and a combination of retrospective and prospective modes that analyses normal ECG and isolated abnormals automatically but stops on complex arrhythmia; Holter software should have HRV analysis, HRV time domain analysis, HRV spectral analysis, and QT

analysis.
Should have integrated ECG data management software.

3.4 Should analyse three leads of ST segments with ST episode reporting and Heart rate variability on time and frequency domain

3.5 Should provide unlimited normal, abnormal, and artefact templates with automatic classification, template matching and ability to merge \ unmerge on any template.

3.6 Should automatically stop on and display arrhythmia patterns, patient diary entries , and ST episodes.

3.7 Should provide a histogram to view all R to R intervals, all normal to normal intervals, all normal to ventricular intervals, all ventricular to normal intervals, and all ventricular to ventricular intervals.

3.8 Should provide QT and Pacemaker analysis

3.9 Should create custom reports templates

3.10 Trend Graphs –HR, RR interval, RR variance, 12-lead ST, SVPB, VPB

3.11 **(III) Recorder specifications :**

1. Should weigh no more than 120 grams with battery and flash memory installed.
2. Should acquire simultaneous three channel ECG with software to convert three channels to 12 lead ECGs in the scanning device.
3. Should come with pacemaker software that automatically removes pacing artefacts and annotates the recording with pacing pulses.
4. Should Store 24 or 48 hours of ECGS with no data compression.
5. Should use only one no AAA alkaline battery to provide up to 48 hours of three channel recording.
6. Should have a LCD display of the patient's ECG during hook up to verify proper electrode application.
7. Should use only 3 leads to record a three channel ECG.
8. Should be water resistant.
9. Should synchronize the recording start and end time with the recorder time clock
10. Should have voice recording to store patient ID
11. Recorder should be tamper proof – i.e., even if the battery or CF is removed accidentally, ECG should continue normally after the battery or CF is replaced.
12. Low battery alarm facility (audio/ visual)

4 System Configuration Accessories, spares and consumables

Higher configuration computer and printer
The system should contain all the above accessories in integrated or as separate accessories

5 Environmental factors

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

relative humidity of 15-90%
Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

6 Power supply

Power input to be 220-240VAC, 50Hz,/440 V 3 Phase as appropriate fitted with Indian plug.
Resettable overcurrent breaker shall be fitted for protection
UPS of suitable rating conforming to IS-302 shall be supplied for computer system

7 Standards and safety

Should be FDA or CE approved product
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)

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 calibration and Preventive maintenance equipments as specified in the Service/Technical Manual. Preventive maintenance has to be provided as per the manufacturer guidelines.

Training: 1/ 2doctor to be given training for approved institute

Schedule No.10

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: 5 KW or more
X ray Tube:
Rotating Anode X-Ray tube
KV : 23 KV to 35 KV, adjustment in increment of 1 KV
mAs capacity - 1 mAs to 600 mAs or more
Focal Spots: Dual focal spots of 0.3 mm and 0.1 mm or better
Anode Heat Storage capacity: 150 KHU or more

Gantry/ X – Ray Stand:
Motorized height adjustable to at least 75 cm to 125 cm or more above the floor to object table
Should have large swivel range: -180 deg to + 135 deg or more.
Rotation should be iso-centric
Automatic collimation to film format
Grid:R 5:1, 30 lines/ cm or more
Combination filter Mo/Mo and Mo/Rh and the lower dose according to individual breast
Automatic Exposure Control with compensation
Compression device: Both motorized and manual
Exposure Modes: Dual mode - Automatic & manual
Magnification device:
Metallic magnification device with a magnification factor of 1.5 to 2 or better
Bucky unit: 18X24 cm (4 Nos.) & 24 X 30 cm (2 Nos.).
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
1. Lead Aprons (4 Nos.) with 0.50 mm lead equivalence
2. Suitable Radiation shield
3. 4 films X ray illuminator (view box)
4. Rotating stool for patient
5. Suitable online UPS with at least 30 min back up.

CR System (COMPUTER 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
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 - 12Nos.
b) 24 cm x 30 cm - 12 Nos.
c) 18 cm x 24 cm - 12 Nos.
d) 15 cm x 30 cm - 6 nos.
e) 35 cm x 43 cm – 6 nos.
f) 30 cm x 37.5 cm – 6 nos.
Image plate storing Rack- one

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 with out 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

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 later image formats

Software

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

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.

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

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.

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.

Laser Imager System Configuration requirements:
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.

Functional requirement for Laser Imager:
a) Capable of Printing images in High quality

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.
Provision for Distributed CR System should be present. **Please quote price separately for additional workstation image reader preview stations and image planes.**
Please list all the Optional software's, which are available with you for enhancing the workflow and services in the Digital Radiology environment.

Price to be Quote separately for additional laser imagers.
Price for On line UPS with one hour back up for complete system should be quoted.
System should have CE/FDA approval
Review station at key areas – qty 04 nos. (in OPD, OR, DOCTOR"S room etc.)
(Unit Price of review stations to be quoted separately)
PC for recording purposes with laser printers and UPS.
PC based DVD reader image manipulating software and high definition monitor (1.2K ×0.78K) (approx).
Acceptance tests as per International Standard should be carried out at manufacturing facility as well as installation site (including all Safety and QA tests)

Schedule No.11

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 64 KW
   c. KV range should be 40 to 150KV in 1KV increments.
   d. mA 640mA or more.
   e. mAs range should be 10 to 800mAs or more.
   f. It should have automatic exposure control device.
2. 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 collimeter 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. Specify the material of detector whether amorphous silicon and Cesium Iodide as scintillator or Gadallonium Oxide.

b. The size of detector should be 40cmx40cm ore more
c. The pixel size should be 200 microns or less.
d. Active matrix should be 2kx2k or more
e. The resolution should be minimum of 3.5lp/mm upto 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 atleast 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. The system should have automatic tube tracking and positioning.
   f. Option for dosimetry kV, mA, tube angle position available at X-ray tube side. Also apart from main console.
   g. 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 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.
   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.
   e. The system should have software and hardware to perform full Leg-Full spine/long body imaging/image stitching grid based.
   i. Image storage capacity of 3000 images or more.
   j. 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 upto 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 atleast 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 (one)
d. Footsteps for the table
e. Lead glass
f. Software for image stitching.

9. Approvals:
   a. The system should be USFDA and European CE approved and AERB type approval for the offered model should be submitted alongwith 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 Comprehensive AMC 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 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. Training to doctors, technicians etc. for a period of minimum 4 weeks or upto satisfaction of the HOD of user department.
15. **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.

Schedule No.12

800mA X-Ray unit with Ceiling Mount column and Dual Detector

High powered X ray unit with two direct digital flat panel detectors for various radiography examinations for the department of Radiodiagnosis

The Unit should be completely integrated system (integrated X ray generator and image acquisition control console) having the following specifications:

1. Generator

- 800 mA unit with microprocessor controlled high frequency X-ray generator with power output of 80 KW or more
- The exposure range should be 40-150KV
- Specify exposure time range
- The minimum exposure time should be 1ms or less.
- There should be provision for automatic exposure control.

2. X-Ray Tube

- Ceiling suspended
- Dual focus tube
- Small focal spot should be 0.6mm or less and large focal spot should be 1.25mm or less
- Tube loading should be at least 30 KW for small and at least 80 KW for large focus.
- Motorized movement of ceiling suspended tube.
- Mention range of tube movements in vertical, longitudinal and horizontal planes.
- Electromagnetic locks with collision protection sensor.
- Field size programming should be possible.
- Anode heat storage capacity should be 300 KHU or more
- X ray tube and collimator section should have automated image shuttering and cropping facility in collimator.
- All the movements of the overhead tube suspension (3D column stand) should be fully motorized. It should be possible to override it manually.
- There should be auto positioning of the overhead tube suspension against both the vertical detector and the table detector. This should be possible through selected protocol from both the console as well as from wall stand control.
- Overhead tube suspension (3D column stand) should also have a screen with display of important parameters and controls.
- Horizontal and vertical tube rotation should be +/- 180º
- Should have motorized copper filter to avoid unwanted radiation

3. Horizontal Bucky Table

- Motor driven, adjustable height floating table top of carbon fiber.
- Compact Bucky table with digital flat panel detector.
- Mention range of vertical, horizontal and longitudinal movements of the table.
- Foot switches for adjusting height, longitudinal/side to side movements, locking.
- Detector movement should be synchronized with movement of the X-Ray tube.
- Removable grid for SID of 100cms for horizontal table applications
- Automatic exposure control should be available

4. Vertical Bucky (Wall stand)

- Motorized, counter balanced adjustable height vertical Bucky with digital flat panel detector.
- Should be possible to tilt the Vertical detector system (-15^0 to $+ 90^0$) and should travel from 1' to 6 ½' above floor level.
- Detector movement should be synchronized with movement of the X-Ray tube.
- Removable grid for SID of 180cms for vertical Bucky applications
- Automatic exposure control should be available

5. Detector System

- Specify the making material of detector system whether it is amorphous silicon with CSi scintillator or Gadallonium Oxide
- Two Digital flat panel detector systems with detector integrated into the Bucky table as well as wall stand.
- Minimum size of detector should be 40cms X 40 cm or more.
- Image matrix size 2k x 2k pixels or more.
- Pixels size should be 200µm or less
- Image resolution should be 2.5 lps/mm or more
- DQE of detector system should be 65% or more at 0 lps
- Tube assembly movement to be automatically synchronized with both the horizontal and vertical detectors movement
- Should allow centered/de-centered collimation
- Specify refresh cycle (time for second exposure).

6. Operating (acquisition) Station

- Should have a high resolution TFT/LCD monitor of minimum 19" size or more (fully flat) with minimum 1024x1024 or more display matrix and antireflective front screen.
- Image acquisition matrix should be minimum of 2k x 2K
- Option for dosimetry KV, mA, power , angle, position should be available with X-ray tube side. Also from main console.
- System should have auto protocol select
- Operating console should have facility for patient identity entry, viewing and processing images, documentation.
- Preview image should be ready in 5 sec or less.
- System should have auto protocol select

7. Image Viewing, Post –Processing and reporting Station and Documentation

- Should have independent monitor of high resolution TFT/LCD monitor of 19" or more.
- Image display matrix should be of high resolution, minimum of 1.5 K x 1.5 K
- Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible.
- Image processing functions like rotate, mirroring, zoom, move, and windowing filter should be possible.
- There should be facility for measurements.
- Should be connected to a Dry chemistry Camera of 500 DPI or more for documentation. The camera should accept all size films upto 14"x17" size (three film size trays should be active).

- Multiformat printing should be possible with user selectable options.
- It should be possible to create alphabetical, date wise and exam based, work list
- Work list should be auto refreshing
- System should have facility to acquire tomographic images
- Image stitch software

8. Image Storage and Transmission

- Hard disc storage capacity should be of 30000 or more images
- The systems should support storage of images on compact discs and DVD
- The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format.
- Easy integration and networking should be possible with any other existing/future networking including other modalities, HIS and RIS and PACS. Vendor will connect it to existing network without extra cost.

9. Accessories

- Suitable UPS for the computer with 30 minute backup
- Voltage stabilizer for complete system
- A Dry chemistry Camera of 500 DPI or more
- Abdominal Compression device which can be attached to table railings for IVP studies.
- Two light weight 'zero lead' aprons
- Lead glass

10. Upgrading requirement:

- A free comprehensive software upgrade (compatible with the existing platform) guarantee for 10 years after installation.

11. **Essential certification**

- Radiation safety certificate: The offered model must have a valid AERB type approval certificate at the time of submission of tender.
- Quality certification: Europe CE and USA FDA.

12. Installation and Turnkey

- All turnkey work, including civil, electrical and air conditioning, proposed by the selected firm will require approval of Head of the department of Radio-diagnosis and competent authorities including engineering section, of the institute before implementation.
- A complete site preparation plan will be required to be submitted as a turnkey project. The vendor will be eligible to inspect the proposed site after obtaining permission from Head of the department of Radio-diagnosis.
- A state of art fire fighting system with alarm and smoke detectors to be installed and connected to main control of hospital.
- Internal finishes: Flooring and skirting of branded antiskid ceramic (vitrified) tiles of reputable firm (option of epoxy flooring to be kept); walls-POP with plastic emulsion paint; GI powder coated ceiling system and brick wall partition between radiography room and console with lead glass.
- Lead lining of the walls and doors as required.
- Changing room with powder coated aluminum section of required size.

13. Important instructions to supplier

- All tenders should be in two bids. The technical and price bid should be provided in two separate envelopes.
- All the information in the tender document must be supported by product data sheets (original copy). All information asked must be provided under heading given above. Incomplete and haphazard information will not be accepted.
- ISO certification for services of medical devices must be submitted.
- Please provide names and addresses of other installations in India & abroad. The model quoted should have atleast one running installation in India. Submit 'satisfactory certificate' from the users.
- The supplier must ensure the availability of expert service and maintenance at New Delhi. Uninterrupted availability of spare parts and repair of next ten years must be assured.
    - **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.

Schedule No.13

Ultrasound Machine with colour Doppler (2d)

2D Color Doppler Ultrasound Equipment

The equipment must be capable of operating in B, M, Doppler, Color flow and Power Doppler modes. It must support transducers with linear, sector and convex formats. Further, it must include a full array of measurement and calculation packages. The specific minimum requirements for this equipment are as follow.

1 User Interface & Ergonomics

1.1 The system shall support backlight keys or provide an integrated light for ease of use in darkened work areas. The backlighting shall be tri-state to further simplify ease of use and indicate function selected.

1.2 The system shall include at least a 17" LCD monitor to allow for both excellent images viewing as well as providing for workflow and productivity features.

1.3 The system shall have three active universal probe ports in a convenient, easy to access location to maximize the availability of needed probes.

2 Productivity

2.1 The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds.

2.2 System shall have image management features that store images by patient and include the ability to review images from different exam dates.

2.3 System shall support the ability of post image acquisition optimization to optimize imaging parameters such as B Gain, TGC, Color Gain, Dynamic Range, Speckle Reduction levels, Doppler Gain, Doppler Base Line on image recalled from the image archive.

2.4 System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Color, or power Doppler on either side.

2.5 The system shall display thumbnails on a clipboard while scanning to facilitate exams.

3 Unit should have Auto IMT (Intima media thickness measurement) facility.

4 Unit should have Ultrasound Contrast imaging capability (Micro bubbles). Tissue Harmonic imaging with contrast should be available as standard feature.

5 Post-acquisition Data Processing.

5.1 The system shall allow for post-storage image manipulation to provide maximum image flexibility, review and productivity. It shall include, at a minimum the ability to change the:
Overall B-Mode gain, dynamic range and gray scale maps.
Overall Doppler gain, base line shift, sweep speed and inverted spectral waveform.

5.2 The system shall provide a display zoom function on frozen images.

6 Scanning Parameters

6.1 The system shall possess the ability to control speckle through the use of a speckle reduction (SRI) algorithm that enhances borders, reduces speckle artifact and improves detail and contract resolution in gray scale with compatibility in Color mode, 3D and side-by-side display. This feature shall have operator selectable settings and be capable of displaying in side-by-side mode with non-speckle reduced image.

6.2 The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes.
The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm.
System should have minimum of 17,000 Digital Channels for better resolution.

6.4 System should have Dynamic Range of atleast 170 Db.

7 M-Mode Imaging

The system shall have a facility allowing the M-Mode cursor to be adjustable in any plane and allow for accurate measurements. The M-mode shall be available from a CINE loop or live image.

8 Spectral Doppler (PW)

8.1 Doppler mode shall be available on all probes.

8.2 The Doppler cursor shall be user-steerable with linear transducers.

8.3 The system shall provide the user with control to either have Doppler with real time B-Mode, Doppler with periodic B-Mode update or Doppler with frozen B-Mode scanning.

8.4 The system shall provide stereo audio of the Doppler spectral signal.

8.5 The system shall provide the user with control during timeline replay to review the spectrum only (i.e., frozen B-Mode) or with the spectrum and B-Mode together and synchronized.

8.6 The system shall provide the user with the ability to add a spectral peak and spectral mean trace onto the spectrum in both real time or after freezing the image.

9 Measurements and Calculations

9.1 The system shall provide digital calipers for at least the following measurements:

a) Depth & Distance
b) Circumference
c) Area
d) Volume
e) Velocity

9.2 All measurements should be possible on frozen images as well as on images recalled from the image archive.

9.3 The system shall provide a comprehensive set of obstetrical and gynecologic calculations and vascular calculations with summary reports.

11 Image Archive and Networking

11.1 The device should store images onto an integrated DVD-R Multridrive and a USB port storage device.

11.2 The system shall include at least 100 GB bytes of dedicated hard drive for large local storage capacity.

12 DICOM Connectivity should be a standard feature with the hospital network and a standalone PC (Windows based) with suitable DICOM viewer to be supplied.

13 Transducers

a) Transvaginal Probe with Biopsy attachment, Operating Frequency 4- 9 MHz
b) Convex Probe with biopsy attachment. Operating Frequency: 2 - 5 MHz
c) Linear Probe with biopsy attachment. Operating Frequency: 5 – 10 MHz
d) Sector probe / Microconvex probe for pediatric neurosonography 2-5 MHz

14 The unit must be US FDA and CE approved.
15 Suitable UPS with 60 minute backup for whole system.
16 Patient couch with compatible ergonomic operator chair of premium quality. .(Price to be quoted separately).
17 Gel warmer (stand alone)- 01 No.
18 **The bidder has to arrange for demonstration of the quoted model.**
19 360 °mechanically rotated radial endoluminal probe Operating frequency: 7.5 - 10 MHz. (Optional - Price to be quoted separately)
20 Should have THI with contrast imaging as standard feature.
21 With triplex imaging there should be no or minimal decrease in the velocity range.

Schedule No.14

Ultrasound Machine Portable

DICOM compatible fully digital, compact portable Colour Doppler Ultrasound machine is required with the following technical features:

1 The unit should be compact, lightweight and portable. Weight should not exceed 10kg excluding cart and accessories.
2 It should be suitable for abdominal, small parts and vascular applications in adults and pediatric patients.
3 Multiple preloaded as well as user configurable application presets should be available.
4 Transducers: (1) Convex 5-2 MHz for abdominal imaging, (2) Linear 13-6 MHz for intra-op imaging,(3) Sector Probe 4-2 MHz for Echocardiography (4) Endocavitory 8-5 MHz for transrectal ultrasonography and end firing biopsy, one each.
5 All transducers should be lightweight digital phased array broadband type transducers with at least 128 elements.
6 Detachable needle guide should be available with convex and endocavitory probes.
7 Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler,Power (energy) Doppler and triplex Doppler should be available.
8 Advanced features such as tissue harmonic imaging with contrast media and beam forming technology should be quoted as standard.
9 Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output, number for position of focus.
10 Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.
11 Controls for pulsed Doppler: variable sample volume size from 1 to 5mm or more, s teer, PRF, baseline,gain angle correction, spectral invert, duplex/triplex on/off
12 Measurements for 2D mode: Multiple distances, area and volume.
13 Measurements for Doppler modes: Stenosis quantification in percentage, diameter, PSV, EDV, mean,PI, RI, floor volume, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler Calculations should be possible.
14 Cineloop memory of minimum 10 seconds on all modes.
15 Flat LCD/TFT monitor of 10 inches or more.

16 Alphanumeric soft keys keyboard with easy access scans controls
17 Onboard storage of at least 1000 images. Storage in JPEG and AVI format should be possible.
18 Sorting of data base with patient name and date should be possible.
19 USB port connectivity to printer or computer.
20 Facility for storage on CDR/DVD should be available. Data should be transferable through the network to any other workstation.
21 Unit should function with 200-240 V, 50 Hz AC, 5 amp power outlets. Power requirement to be specified.
22 In built battery backup for at least 45 minutes use should be available.
23 The unit should be compatible with and should have facilities for interfacing with the hospital LAN.
24 Essential accessories: Thermal colour printer, UPS, mobile cart with transducer holder, jelly bottle holder and space for printer.
25 Paper and cartridges for 1000 image printouts should be provided.
26 The unit should be light weight and sturdy.
27 The unit offered in the tender will require technical demonstration.
28 List of users of unit offered should be enclosed along with the tender. The list should not contain names of users of units other than the one quoted.
29 Price of the main unit and accessories to be quoted separately.
30 Warranty: The unit, transducers and all accessories should be covered with comprehensive onsite warranty for two (2) years commencing from the date of issue of installation certificate.
31 Rates for comprehensive maintenance contract CMC (including all spared and labour) for 5 years, after expiry of warranty period, must be quoted separately.
32 Photocopy of purchase order along with terms and conditions of contract received from any Govt/Public Sector institution in the last two years for supply of the offered equipment must be enclosed with the price bid.
33 Additional Suitable LASER colour printer should be provided.
34 The system to be USFDA and European CE approved.
35 Demonstration is must.

Schedule No.15

Endoscope System of Neurosurgery

1 Description of Function	
1.1	Neuroendoscope is a small device that allows the identification of the anatomy of the brain's ventricular system. It aids the neurosurgeon in placing the shunt
2 Operational Requirements	
2.1	Neuro-endoscope should be lightweight and dedicated to Neurosurgery cranial work.
3 Technical Specifications	
Complete cranial and spinal set	
3.1	Connecting piece for fixation for operating sheath to endoscope holder- 1 no.
3.2	Wide angle forward oblique telescope 30 deg., enlarged view, dia, 4mm length 18cm autoclavable fiberoptic light transmission incorporated, preferably color-coded.

3.3	Operating sheath preferably with valve, Outer Dia. 6.5 mm with graduated scale with lateral stopcock and inlet for catheter, with obturator and obturator for stereo-tactic positioning- 1no.		
3.4	Sheath insert for use of 30 deg., 70 deg. diagnostic telescope through operating sheath - 1 no.		
3.5	Scissors, single action jaws, pointed, diameter 2-2.5mm length 30cm - 1 no.		
3.6	Biopsy forceps - 1 no.		
3.7	Grasping forceps with teeth fine size- 1 no.		
3.8	Biopsy punch forceps single action jaws fine size working length 28cm - 1 no. Instruments should preferably be rotating type		
3.9	Puncture needle- 1 no.		
3.10	Irrigation tube autocalvable with luer lock connection- 1 no.		
3.11	Coagulating electrode, bipolar 5 fr - 1 no.		
3.12	Bipolar cord - 4 no.		
3.13	Straight forward telescope 0 deg., enlarged view, autoclavable, with angled eyepiece, with instrument channel dia.3mm fiberoptic light transmission incorporated, preferably color coded.		
3.14	Universal table holder, multi-articulated should have three or morejoints with 360deg. of freedom with holding device.		
3.15	High Definition camera with integrated image processing module, color systed: Pal, power supply: 100-240 VAC, 50/60 Hz, including: 3 chip camera head with integrated parfocal zoom lens, Camera control unit with integrated image processing module, connecting cable length 180 cm, connecting cable set length 180cm, Keyboard, 2 connecting cables, for connecting video-printers or recorders- 1 no.		
3.16	Xenon light source 300watt with color temperrature 6000 K light intensity manually controlled - 1 no.		
3.17	Fiberoptic light cable, dia. 3.5 mm length 230cm- 1 no.		
3.18	Main cord for color monitor compatible with Sony Trinitron Vega monitor		
3.19	Cautery cable should be compatible with Aesculap cautery GN.060		
3.20	Any other components essential for its functioning.		
3.21	Sterilization tray with silicon cushion pads.		
3.22	Mobile cart		
3.23	Diagnostic (observation) telescope for assisted surgery 0 deg., 30deg. And 70 deg.		
3.24	The endoscope should be topline or equivalent		

4 System Configuration Accessories, spares and consumables

4.1	System as specified		

5 Environmental factors

5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%		
5.2	The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%		

6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug		
6.2	Resettable overcurrent breaker shall be fitted for protection		
6.3	Voltage corrector /stabilizer of appropriate ratings meeting ISI Specifications. (Input 160-260 V and output 220-240 V and 50 Hz)		

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

7 Standards, Safety and Training

7.1	Manufactures/Supplier should have ISO certificate to Quality Standard.
7.2	Should be compliant with IEC 61010-1:(or any international equivalent eg EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use
7.3	Should be FDA, CE, UL or BIS approved product
7.4	Comprehensive training for lab staff and support services till familiarity with the system.
7.5	Comprehensive warranty for 5 years and additional 5 years AMC

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 spares and accessories with their part number and costing.
8.5	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job descriptin of the hospital technician and company service engineer should be clearly spelt out.
8.6	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 No.16

Operating Microscope-Neuro(High end)

Technical Specification of Zoom Surgical Microscope Model

Operating Microscope	(Pentero Compatible)
Magnification	Microscope should have Zoom 6:1, motorized
Working distance	Variable working distance range of from 200 -470 mm motorized, manual or via autofocus adjustable speed.
Focusing	Motorized as well as Manual via multifocal lens
Eye piece	Wide –field eyepiece for spectacle wearers 10x/21B or 12.5X
Objective	Multifocal 200mm-470mm working distance
Illumination	300W Xenon lamp through fiber optic cable and emergency back up illumination
Power Supply	Should have two completely independent lamp illumination systems with Two separate power supplies.
Control unit	Graphic LCD display with background lighting , menu with up to 10 user defined setting
Binocular tube	Variable angle of observation with focal length=200mm adjustable inter-pupillary distance, 0-180 deg binocular tubes for main surgeon as well as opposite & side observer
Magnification	1.2x-12.8x with 10x eye piece
Field of View	16.5mm-180mm with 10x eyepiece
Automatic Iris Control	Microscope should have automatic iris control to match the field of view.
IGS(Image guided Surgery)	Should have Neuro navigation system for IGS(MRI,CT Images)
Focus Light Link	Automatically limits brightness
Hand grips	Controls for microscope zoom adjustments, controls for variable working distance & focus via multifocal lens.
Balancing	Should have manual A&B balancing for optics carrier
Stand	Floor stand with large wheel for transportation.
Over Head Design	Over Head design, Height not less than 1900 mm
Safety features	1.All cables should be integrated in the stand for protection

	2. Should have automatic working distance controlled light intensity to avoid tissue burn.
	3. Should have automatic magnification controlled illumination. Size of diameter automatically works with zoom to avoid unnecessary exposure to light.
Accessories	
Side observer	Should have side observer tube.
Camera	Should have HD camera with HD monitor
Recorder	Should have HD recording Systems
Certification	
	Should be US FDA Approved

Schedule No.17

ULTRASONIC ASPIRATOR

1 Description of Function

1.1 Ultrasonic aspirators use mechanical ultrasonic vibration and an irrigation/suction system to fragment and remove soft tissue and high-water-content growths from various parts of the body.

2 Operational Requirements

2.1 The system should be quoted with different sizes of hand pieces.

3 Technical Specifications

3.1 Surgical aspirator should be based on magneto-restriction or piezoelectric technology.
3.2 The hand piece must be cooled if required to prevent overheating by flow of water.
3.3 The hand piece should be autoclavable and can dismantled completely for cleaning with no inaccessible channels to trap tissue
3.4 The vacuum pump should provide preferable the suction of > 580mm of Hg.
3.5 It should have safety features like optical signal for failed hand pieces and signal for failed unit.
3.6 It should have on and off button.
3.7 It should have integral suction with vacuum pressure of-20 to -90 Kpa. in continuous low noise and digital display.
3.8 It should preferably have 1.5 -2.5 liter capacity container of unbreakable material with level sensor and anti-overflow system.
3.9 Compatible Hand piece should be light, preferable 20-40 KHz
3.10 Handpiece with changeable tips- standard, micro precision & bone sculpting
3.10.1 Straight – Short (1 pair), Long(1 pair)
3.10.2 Angled - Short (1 pair), Long(1 pair)
3.11 Reusable tips
3.12 The irrigation pump should be inbuilt in the unit, the irrigation output 0-25cc/min or more.
3.13 All hand pieces/ instruments should be detachable.

4 System Configuration Acessories,Spares and Consumables

4.1 ACCESSORIES:

1 Trolley.
2 Assembly kit for aspirator- 1
3 Infusion bottle holder-1
4 Double foot switch-1
5 Cleaning brush for instrument lumen-2
6 Instrument connection cables- 2
7 Suction / irrigation tubing (5meter each), silicon twin tube-20
8 Autoclavable compatible instrument tray.
9 Protective cover-4 pieces.
10 Power cables - 2

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 in ambient temperature of 20-30 deg C and relative humidity of less than 70%
5.3 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.

6 Power Supply

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

7 Standards,Safety & Training

7.1 Manufactures/Supplier should have ISO or equivalent certificate to Quality Standard.

7.2 Should be compliant with IEC 61010-1:(or any international equivalent e.g. EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use
7.3 Should be US – FDA/ European CE approved product
7.4 Comprehensive training for 2 surgeon and 2 assistant services till familiarity with the supplied 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 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 Comprehensive Warranty 5 Years and CMC 5 Years
8.6 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 No.18

ENT Examination unit complete including cabinets with treatment couch etc(with compressed air&vac)

ENT Treatment Unit made of High Quality steel casing with polyurethane covering for two or three storied large instrument surface with aluminum trays, unbreakable glass dust cover and built in waste container. Condensation discharge and liquid bottles should be easily accessible

2 "Inbuilt automatic activation facilities like- Endoscope management heated queivers and disinfection time monitoring tanks for 4 rigid endoscope and one flexible scope. –
- Suction system with pressure display and pressure not less than 50 l/min.
- Ear Irrigation module temperature should be adjustable from 30 deg to 38 deg with flow adjustment from 50ml/min to 300 ml/min with irrigation handle and autoclavable jet connections should have mobile water collection bowl which can be connected with inbuilt suction system."

3 Voltage:220V AC 50Hz

4 Compressor pump: 1.5 kg/squ.cm

5 Anti-fog device: 500W (approx)

6 Suction pump: 3000cc

7 Light source: 150W X 24V with minimum 4 outlets.

8 Standard accessoiries:

9 Head light with adjustable head band (halogen) with suitable fibro-optic cable

10 Spray-2

11 Suction-1

12 Waste receptacle-1

13 Medicine bottles-6

14 Instruments tray-2 or 3

15 Pen light -1

16 Anti fog-1

17 Patient chair: Electrically 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 fixable 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.

18 Width: 60cms (approx)

19 Height: from upper edge of the back rest to the lowest position 1230cms (approx)

20 Height of the seat: 50-70 cms (approx)

21 Depth of the seat: 40cms (approx)

22 Depth total: 75 cms (approx)

23 Power supply: 220V/50Hz

24 Doctors chair: Pneumatic foot operated with 4 or 5 wheels (castor) with break

25 Endosopic facilities should be available

Schedule No.19

OT Light

1 Description of Function

1.1 Surgical lights illuminate the surgical site for optimal visualization of small, low-contrast objects at varying depths in incisions and body cavities.

2 Operational Requirements

2.1 The light should comprise of 2 units, One major dome and one satellite dome. Each unit should have a facility of brightness adjustment from 30 – 100 % . Should be shadow free.

3 Technical Specifications

3.1 Light System

a. Should be LED based microprocessor control technology
b. One major dome(60-70 cm) and one satellite dome(55-60 cm).
c. Intensity at 1-meter distance 1,50,000 to 1,60,000 lux for major dome and 1,10,000 to 1,30,000 lux for satellite dome.
d. Colour Temperature: 3800K - 4800 K Variable
e. Having on off switch and light intensity control
f. Homogenous luminous field with lowest possible amount of shadow.
g. The contrast between the lighted area and the surrounding should not cause stress to the surgeon's eye.
h. Depth of illumination 120-140 cms.for major dome,152-160 cm for satellite dome.
i. Illuminated field diameter should be approx. 20-30 cms.
j. Increase in temperature near head should be specified and should not be more than 1 degree C.
k. Color rendering index (CRI) should be 93 – 98.
l. Height adjustment more than 1 meter.
m. LED life span 40000 Hrs or more.
n. Light field adjustment by sterilisable handle.
o. Control panels on the light assembly as well as away from it for adjustment of light intensity, illuminated area and for switching on and off, focusing etc
p. The light head should be so constructed as to provide optimum conditions for laminar flow.
q. It should have provision for using it during minimally invasive surgery maintaining the correct vision of the screen.

3.2 Full HD Camera system:
CCD/CMOS HD camera having following features

a. Minimum Resolution 5 megapixel.
b. Optical Zoom:10x zoom,12x (120x plus optical zoom)
c. Anti flicker and auto focus.
d. Minimum lux 1.5
e. Location of the camera in the center of the light head inside the handle for easy focusing.
f. Having output BNC –Composite-USB
g. Auto/manual white balance

3.3 LCD Monitor:

a. High resolution LCD monitor compatible with the camera system and the recording system
b. Size 19 - 26 inch or more diagonally
c. Mountable on wall.
d. 3rd arm to hold Monitor on a bracket which can be tilted independently on two separate axis

3.4 Recording System
Multimedia Digital recording system for recording on hard disk PC with 17” Colour monitor

4 System Configuration Accessories, spares and consumables

4.1 System as specified

5 Environmental factors

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

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

6 Power Supply

6.1 Power input: 220-240V/ 50 Hz AC Single phase fitted with appropriate Indian plugs and sockets.

6.2 Suitable UPS with 30Min Backup

7 Standards & Safety

7.1 Should be FDA ,CE, UL or BIS approved product

7.2 Manufacturer should be ISO certified for quality standards.

7.3 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)

7.4 Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended

7.5 Certified to be compliant with IEC 60601-2-41: Particular requirements for the safety of Operation Theatre Light or equivalent if applicable

8 Training

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

9 Warranty & Service

9.1 Comprehensive warranty for 2 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.

9.2 Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.

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

10 Documentation

10.1 Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable

10.2 Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature.

10.3 Certificate of compliance with standards and approvals stated above

10.4 Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier

10.5 List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.

10.6 List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.

10.7 Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out

10.8 Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.

10.9 List of users of quoted model with performance certificate from major institutions

Schedule No.20

VATS Equipment

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. Rod Lens Telescope 30°, enlarged view, diameter 10 mm, length 31 cm, autoclavable. fiber light transmission incorporated.-Qty 1
2. Rod lens Telescope 0°, with angled eyepiece, diameter 10 mm, length 27 cm with 6 mm instrument channel, autoclavable -Qty 1
3. Telescope, 10 mm, length 32 cm, variable direction of view from 0° - 120°, twisting controlle select the desired view of direction, fiber optic light transmission incorporated –Qty 1

Direction of view should be zero degree.

4. Compatible with the video system specified.

3.2 VIDEO PROCESSOR WITH LIGHT SOURCE & MONITOR

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 provisi recording on hard disk (HDD)

4 Controls for colour adjustment, to enhancement and balance settings.

5 Controls to freeze images enhance a portion of frozen image (zoom &post-processing).

6 Patient and physician data input keyboard.

7 Operates on Xenon lamp with battery back up of atleast 45 minutes.

8 26" or more LED colour monitor with XGA resolution compatible .

9 USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct inter USB Printer to facilitate direct printouts.

10 HDTV display in original 16: 9 HDTV format.

11 1080 p/ 50 & 1080 p/60 displays possible.

3.3 XENON LIGHT SOURCE WITH FIBER OPTIC CABLE

- Lamp type:- Xenon 15V, 300 Watt
- Color Temperatures 6000K
- Light Outlets – 1
- 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 PAL type video signal. The camera should have high definition (HD) Output with provisi recording on hard disk (HDD)

4 Controls for colour adjustment, to enhancement and balance settings.

5 Controls to freeze images enhance a portion of frozen image (zoom &post-processing).

6 Patient and physician data input keyboard.

7 Operates on Xenon lamp with battery back up of atleast 45 minutes.

8 26" or more LED colour monitor with XGA resolution compatible .

9 USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interf USB Printer to facilitate direct printouts.

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- Color Temperatures 6000K
- Light Outlets – 1
- 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 images and video in FULL HD at Resolution of 1920x1080P
- Controllable via membrane buttons on front panel, camera head buttons, footswitch mouse an keyboard
- 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
- Medical grade unit CE certified, ICE 60601-1
- Microprocessor: RIMM (AMD) Processor at 500 Mhz.
- USB Silicon Keyboard with Touchpad
- Video signal inputs: DVI-I Dual Link, HD-SDI, Composite, S-Video, RGB, YPbPr
- Video Out: DVI-I Dual link
- Video output resolution: 1920x1080, 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 (SMB)
- Recording formats: Videos: H.264mp4

Images: JPG, 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 11 mm, 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 6 mm, 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 6 mm- package of 5-Qty 1
- Trocar, size 6 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 4 cm –Qty 1
- Trocar, size 6 mm, consisting of: Trocar, only with blunt tip, Cannula with thread, length 6 cm- Qty 1
- Trocar, size 6 mm consisting of: Trocar with blunt tip, Cannula without thread, length 6.5 cm, with insufflation 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 insufflation stopcock, Silicon Leaflet Valve, size 11 mm–Qty 1
- Trocar, size 13 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 4 cm–Qty 1
- Trocar, size 13 mm, consisting of: Trocar with blunt tip. Cannula with thread, length 6 cm. –Qty 1
- Parenchymal Forceps, atraumatic, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, with ratchet, 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 ratchet, Outer Tube with Working Insert–Qty 1
- Lung Forceps, atraumatic, fenestrated, curved jaws, single action jaws, size 5 mm, 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 5 mm, 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 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1

- Grasping Forceps, Cobra-Jaws, 1 x 2 teeth, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions Outer Tube with Working Insert–Qty 1

- Grasping Forceps, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1Parenchymal Forceps, atraumatic, curved jaws, single action jaws, size 5 mm, length 28 cm, for use with Linear Stapler–Qty 1

- Dissecting Forceps, insulated, curved jaws, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

- Scissors, insulated, straight jaws, curved scissor-blades, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, 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 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

- Scissors, insulated, distally angled outer sheath, straight scissor-blades, scissor blades open parallely to angulation, single action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Y-Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

Schedule No.21

Neonatal Incubator

1) Double wall transparent canopy with mattress, mount on collapsible stretcher
2) Front and head access door, slide-out mattress tray
3) With baby restraining straps
4) Warm air circulation system
5) Bacterial filter to remove air born particles
6) Incubator air temperature monitoring and servo control: 25 to 38 deg C, increments 0.1deg C,Humidity control.
7) Digital displays outside shows air temperature
8) Ventilator – basic ventilator with integrated compressor at least CPAP and IMV modes with controls for CPAP/PEEP. PIP, rate. Ti and FiO2
9) Two 10L integrated oxygen cylinders, regulator and flow meter
10) Audiovisual alarms: high /low air temperature, temperature sensor failure , power failure and low battery
11) Construction allows frequent washing and disinfection of the incubator
12) Battery and AC supported.
13) Should have facility for IV stand.
14) Power requirements: 220V / 50 Hz and internal re-chargeable batteries (autonomy 4-6 hrs)
15) The battery should be capable of recharging from mains as well as the ambulance power source
16) It should be able to run the following equipment when disconnected from the power source: heater, suction machine
17) It should be US FDA or European CE approved product.
18) **Supplied with:**
    a. 5 x spare skin temperature probe
    b. 1 x spare rechargeable battery.
    c. 2 x empty 10 L oxygen cylinders.
    d. 2 x spare set of fuses.
19) Slot for X-Ray cassette for taking X-rays without removing babies.
20) Suction machine (inbuilt)

Schedule No.22

Vitrectomy Machine

VACUUM

1. Should have the facility to generate direct venturi vacuum of up to 650 mmHg through cassette system having 2 independent aspiration ports.

CUTTER

1. Should have the ability to drive vertical guillotine vitrectomy cutter to go up to 7500 cuts / minute
2. Should have the facility to allow surgeon to select from 3 different duty cycle options at any given cut rate
3. Should have the 3-D technology to linearly control vacuum and cut-rate simultaneously in vitrectomy mode

IOP Control

1. Should have the capacity to monitor infusion pressure constantly
2. Should have the capacity to compensate the infusion pressure constantly with results in a more stable IOP

Illumination .

1. The system should have dual port Xenon Illumination
2. The System should recognize the gauge of illuminator connected and adjust the illumination accordingly
3. The system should have the facility to monitor the bulb life, to avoid surprises

Phaco Mode

1. Should have the facility to drive **Torsional Phaco**, with 4 crystal Handpiece
2. Should have the facility to use variety of Phaco tips like, Kelman, ABS and micro tips
3. Should have the availability of Linear, Pulse, Burst and 3D in Phaco mode
4. Should have the facility to use High Infusion Sleeve

MIVS

1. Should have the capacity to support MIVS options like 23 G and 25G
2. Should have a single entry system

Other Features

1. The System should have the Vented Gas Forced Infusion Capability
2. The System should have the Automated Silicon Oil Injection Capability
3. The System should have Auto Fluid / Air Exchange
4. The System should have Auto Gas Fill (C3F8 and SF6) option
5. Should have the fully programmable footswitch with the facility to change procedural modes through footswitch.
6. Should have the facility of diathermy.

7. Should have the facility to digitally control the infusion pressure and the facility to toggle between a regular infusion pressure and an higher alternate pressure (to achieve tamponade effect) with the help of footswitch.
8. Should have the facility for the extrusion of sub-retinal fluid.
9. Should have the facility of voice re-confirmation.
10. Should have programmability to store various parameters.
11. Should have the facility for Anterior Vented Gas forced infusion.
12. Should have the facility to use High Infusion Sleeve
13. Should have the availability of Linear, Pulse, Burst and 3D in Phaco mode
14. Should have the facility of fragmentation with the help of 4 crystal Ultrasound hand piece.
15. MP3 Audio output Jack.
16. 25 G endoilluminator compatible with the machine (25 nos)
17. 23G endoilluminator compatible with the machine (25 nos)
18. If disposable packs to be used, then 250 packs cost to be included.
19. If pack facility is not available then 23G cutter- 125 nos, 25 G cutter- 125 nos must be given with compatible Trocar Cannula and infusion line
20. 23 G Vitreoretinal forceps for TLM peeling- 25 nos
21. 25 G Vitreoretinal forceps for TLM peeling- 25 nos
22. European CE & US FDA Certificate.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

   a) Five years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) Warranty period will be 5 years from the date of installation, commissioning and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
   b) 98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
   c) All software updates should be provided free of cost during Warranty period.

2. After Sales Service:

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

3. Training:

   On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the consignee. The same will be in line with the training modalities as specified in general technical specification.

4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Turnkey:

   a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
   b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
   c) Cost of CMC will be added for Ranking/Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
   d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
   e) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
   f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
   g) All software updates should be provided free of cost during CMC.

h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
i) The payment of CMC will be made as stipulated in GCC Clause 21.

Turnkey:

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

The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

The Turnkey Work should completely comply with AERB requirement, if any.

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

02 Plant and machinery details

03 Manufacturing process details

04 Monthly (single shift) production capacity of goods quoted for
- a. normal
- b. maximum

05 Total annual turn-over (value in Rupees)

06 Quality control arrangement details
- a. for incoming materials and bought-out components
- b. for process control
- c. for final product evaluation

07 Test certificate held
- a . type test
- b . BIS/ISO certification
- c . any other

08 Details of staff
- a. technical
- b skilled
- c unskilled

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorise their authorized agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.

2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.

2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer

Note:

1. The tenderer shall give an affidavit as under:

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

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

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

3. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.

4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

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

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the 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

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

Ref. Your TE document No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ *(Description of goods and services)* in conformity with your above referred document **for the sum as shown in the price schedules attached herewith and made part of this tender**. If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.

We agree to keep our tender valid for acceptance as required in the GIT clause 20, read with modification, if any in Section - III – "Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

(Name and designation) Duly authorised to sign tender for and on behalf of

SECTION – XI PRICE SCHEDULE

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

1	2	3	4	5							6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)							Total Price (at Consignee Site) basis (Rs.)
				Ex - factory/ Ex -warehouse /Ex-showroom /Off - the shelf (a)	Excise Duty (if any) [%age & value] (b)	Sales Tax/ VAT(if any) [%age & value] (c)	Packing and Forwarding charges (d)	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/ unloading and Incidental costs till consignee's site (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (f)	Unit Price (at Consignee Site) basis (g) =a+b+c+d+e+f	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 @ 11.64% and 2% C& F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

Indian Agent:

Indian Agency Commission - ___% of FOB

Signature of Tenderer_____

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

Seal of the Tenderer_____

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

1	2	3	4					5	6
Schedule No.	**BRIEF DESCRIPTION OF GOODS**	**QUANTITY. (Nos.)**	**Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.**					**Total Annual Comprehensive Maintenance Contract Cost for Each Unit for 5 years (4a+4b+4c+4d+4e)**	**Annual Comprehensive Maintenance Contract Cost for 05 years (3 x 5)**
			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 made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

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 made as per clause GCC clause 21.1 (c).
4. The stipulations in Technical Specification will supersede above provisions

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

SECTION – XII
QUESTIONNAIRE

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

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark "not applicable".

2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

   fails or refuses to furnish the performance security for the due performance of the contract or
   fails or refuses to accept/execute the contract or
   if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

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

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

…….
(Signature with date of the authorised officer of the Bank)
…….
Name and designation of the officer
…….
…….
Seal, name & address of the Bank and address of the Branch

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.
We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

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

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

Yours faithfully,

[*Signature with date, name and designation*]
for and on behalf of Messrs_____
[*Name & address of the manufacturers*]

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. _____ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to 66 (Sixty Six) months from the date of Notification of Award i.e. up to ---------- (indicate date)

…….
(Signature with date of the authorised officer of the Bank)
…….
Name and designation of the officer
…….
…….
Seal, name & address of the Bank and address of the Branch

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No_____ dated_____

This is in continuation to this office's Notification of Award No_____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No_____ dated_____ and subsequent Amendment No_____, dated_____ (if any), issued by the purchaser
3. Supplier's Tender No_____ dated_____ and subsequent communication(s) No_____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

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

   Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.
5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
   (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

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

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____
Between

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

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

(g) SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, 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
DRPGMC	Dr. Rajendra Prasad Govt. Medical College, Tanda	The Principal Dr. Rajendra Prasad Govt. Medical College, Kangra at Tanda, Tanda – 176001 Himachal Pradesh Ph: 01892 – 267115, 2678640 Fax: 01892 - 267115	New Delhi	New Delhi (Tughlaqabad)
BDS PGIMS	Pt. Bhagwat Dayal Sharma University of Health Sciences, Rohtak and Pt. Bhagwat Dayal Sharma Post Graduate Institute of Medical Sciences, Rohtak	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.