GLOBAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR SIX AIIMS

UNDER PMSSY Scheme

FOR

GOVT OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE

HLL/PCD/PMSSY/AIIMS-II/08/13–14

BY

HLL Lifecare Limited

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

NOTICE INVITING TENDERS (NIT)
For Global Tender from
HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)

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FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/08/13-14 **Dated 19.12.2013**

NOTICE INVITING TENDERS (NIT)

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

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
1	OT TABLE -Electro Hydraulic	Burn Unit and Plastic Surgery	1	6	300,000
2	Electrosurgical Unit	Burn Unit and Plastic Surgery	1	6	96,000
3	Surgical Micromotor System	Burn Unit and Plastic Surgery	1	6	84,000
4	Open Surgical Instruments	Burn Unit and Plastic Surgery	1 Set	6 Sets	180,000
5	Laparoscopic Surgery set with High Definition camera	Gastro-Entero Surgery	1	6	720,000

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
6	Laparoscopic Surgery Set with Hysterestoscope & resectoscope with High Definition Camera & Monitor	Obstetrics & Gynecology	1	6	900,000
7	Portable Ultrasound & Colour Doppler	Obstetrics & Gynecology	1	6	144,000
8	Cardiotocography Machine	Obstetrics & Gynecology	2	12	72,000
9	Gynae OT Table	Obstetrics & Gynecology	1	6	300,000
10	Delivery Bed	Obstetrics & Gynecology	2	12	60,000
11	LEEP SYSTEM with Smoke Evacuator & integrated cart	Obstetrics & Gynecology	1	6	60,000
12	Cryo Surgical System	Obstetrics & Gynecology	1	6	24,000
13	Caesarean set	Obstetrics & Gynecology	1 set	6 Sets	30,000
14	Hysterectomy set	Obstetrics & Gynecology	1	6	60,000
15	MTP Suction	Obstetrics & Gynecology	2	12	24,000
16	Multiparameter Monitor	Obstetrics & Gynecology	1	6	48,000
17	Syringe Infusion pump	Obstetrics & Gynecology	2	12	12,000
18	ESU with Vessel Sealing	Obstetrics & Gynecology	1	6	180,000
19	ENT Operating Microscope	ENT	1	6	540,000
20	Pure tone Audiometer	ENT	1	6	72,000
21	Tympanometer	ENT	1	6	36,000
22	OAE(screening)	ENT	1	6	30,000
23	BERA with ASSR	ENT	1	6	144,000
24	Endoscopic sinus surgery set	ENT	1	6	144,000

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
25	Shaver System cum micro drill	ENT	1	6	96,000
26	Full HD camera with recording system	ENT	1	6	240,000
27	Surgical instruments- ear	ENT	1 Set (as per list in specification)	6 Sets (as per list in specification)	300,000
	Surgical instruments- nose/rhinoplasty		1 Set (as per list in specification)	6 Sets (as per list in specification)	
	Surgical instruments- tonsils & adenoids		1 Set (as per list in specification)	6 Sets (as per list in specification)	
	Surgical instruments- tracheostomy		1 Set (as per list in specification)	6 Sets (as per list in specification)	
	Surgical instruments- microlaryngeal surgery		1 Set (as per list in specification)	6 Sets (as per list in specification)	
	General Surgical instruments- head & neck		1 Set (as per list in specification)	6 Sets (as per list in specification)	
28	LED Head Light	ENT	2	12	18,000
29	Xenon head light with micro camera	ENT	1	6	30,000
30	Bronchoscopy	ENT	1 set	6 sets	180,000
31	Esophagoscopy	ENT	1 set	6 sets	60,000
32	Flexible rhino-pharyngo-laryngoscope	ENT	1	6	72,000
33	Videolaryngoscope	ENT	1	6	24,000
34	Radiofrequency Unit For ENT	ENT	1	6	48,000
35	Videonystagmography(VNG)	ENT	1	6	48,000

(2) **Tender No.: HLL/PCD/PMSSY/AIIMS-II/08/13-14**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	19.12.2013 to 23.01.2014, 1000 hrs to 1600 hrs IST
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
iii.	Cost of the Tender Enquiry Document	Rs. 5000/-
iv.	Pre Tender Meeting Date & Time	26.12.2013, 1100 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	24.01.2014, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	24.01.2014, 1230 hrs IST
viii	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs 5000/- per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of **"HLL Lifecare Limited"** payable at New Delhi**.**
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100/- for domestic post and Rs 500/- for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
5. Tenderer may also download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above.
7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
9. The Tender Enquiry Documents are not transferable.

Head (P&CD)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia,* the required delivery schedule, terms and place of delivery.

2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.

2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

4.1 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, shall be written in the English language, unless otherwise specified in the Tender Enquiry. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by an English translation and, for purposes of interpretation of the tender, the English translation shall prevail**.**

4.2 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, may also be written in the Hindi language, provided that the same are accompanied by English translation, in which case, for purpose of interpretation of the tender etc, the English translations shall prevail.

5. Eligible Tenderers

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

6. Eligible Goods and Services

6.1 All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B

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

8.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers are expected to examine all such details etc to proceed further.

9. Amendments to TE documents

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

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

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

10. Clarification of TE documents

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing. The purchaser will respond in writing to such request provided the same is received by the purchaser not later than fifteen days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.

ii) Tender Form as per Section 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. **<u>While giving authorization to agent , to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.</u>**

v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form.

vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.

vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
ix) Certificate of Incorporation in the country of origin.
x) Checklist as per Section XX.

B) Price Tender:

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

Note:
1. All pages of the Tender should be page numbered and indexed.
2. It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.

11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender. Individuals signing the tender or other documents connected with a contract must specify whether he signs as:
i. A 'Sole Proprietor' of the firm or constituted attorney of such Sole Proprietor.
ii. A partner of the firm ,if it be a partnership , in which case he must have authority to quote & to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney;
iii. Constituted attorney of the firm if it is a company.

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

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

12. Tender currencies

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

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

13 Tender Prices

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

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

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

13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:

a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;

b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;

c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;

d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;

e) the prices of Turnkey (if any), a s mentioned in List of Requirements, Technical Specification and Price Schedule; and

f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;

b) The amount of freight and insurance

c) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;

d) Deleted

e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;

f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;

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

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.
However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.

13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.

13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:

a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
b) The details of the services to be rendered by the agent for the subject requirement.
c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
d) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).
e) Principal/ manufacturer's original proforma invoice with the price bid

15. Firm Price

15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. Alternative Tenders

16.1 Alternative Tenders are not permitted.

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

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

17 Documents Establishing Tenderer's Eligibility and Qualifications

17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.

b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.

c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.

18. Documents establishing good's Conformity to TE document.

18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.

18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.

18.3 If a tenderer furnishes wrong and/or 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. Signing and Sealing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.

21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate". Duplicate tenders may contain all pages including Technical Literature/Catalogues as per in Original tenders. Tenders are requested to submit tenders duly page numbered and in a binding form. **Tenders submitted in loose sheets will not be accepted.**

21.3 The original and duplicate copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind

the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

21.5 The tenderer is to seal the original and duplicate copy of the tender in separate envelopes, duly marking the same as "Original", "Duplicate", and writing the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.

21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **'Techno - Commercial Tender'**, and the second part **'Price Tender'** as specified in clause 11 of GIT. Tenderer shall seal **'Techno - Commercial Tender'** and **'Price Tender'** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. In case of bulky tender, which cannot be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

26.1 Tenders will be evaluated on the basis of the terms & conditions already incorporated in the TE document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

27. Scrutiny of Tenders

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

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

27.3 Deleted

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not 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) Deleted
(ii) Tender is unsigned.
(iii) Tender validity is shorter than the required period.

(iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
(v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
(vi) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
(vii) Deleted
(viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
(ix) Poor/ unsatisfactory past performance.
(x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
(xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
(xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
(xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor 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."**

34.2

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

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

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

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

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

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

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

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

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

36. Tenderer's capability to perform the contract

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

36.2 The above-mentioned determination will, 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	27
B	8 to 10	TE documents	No Change	27
C	11 to 21	Preparation of Tenders	No Change	27
D	22 to24	Submission of Tenders	No Change	27
E	25	Tender Opening	No Change	27
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	27
G	38 to 45	Award of Contract	No Change	27

SPECIAL INSTRUCTIONS TO TENDERERS (SIT)

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

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

A **Preamble**

No Change

B **TE documents**

No Change

C **Preparation of Tenders**

No Change

D **Submission of Tenders**

No Change

E **Tender Opening**

No Change

F **Scrutiny and Evaluation of Tenders**

No Change

G **Award of Contract**

No Change

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 30 months from the date of Notification of Award

5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India,

in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.

5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form – B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.

5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including 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.

22.6 Passing of Property:

22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.

22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.

22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:

a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or

b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

28.1 The contract shall be written in English language following the provision as contained in GIT clause 4. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of

the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

30. Resolution of disputes

30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

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

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

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

33. General/ Miscellaneous Clauses

33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.

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

33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.

33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the

Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.

33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION - VI
LIST OF REQUIREMENTS

Part I

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Warranty required	CMC required
1	OT TABLE -Electro Hydraulic	Burn Unit and Plastic Surgery	1	6	5 years	yes
2	Electrosurgical Unit	Burn Unit and Plastic Surgery	1	6	5 years	yes
3	SURGICAL MICROMOTOR SYSTEM	Burn Unit and Plastic Surgery	1	6	5 years	yes
4	Open Surgical Instruments	Burn Unit and Plastic Surgery	1 Set	6 Sets	5 years	yes
5	Laparoscopic Surgery set with High Definition camera	Gastro - Entero Surgery	1	6	5 years	yes
6	Laparoscopic Surgery Set with Hysterestoscope & resectoscope with High Definition Camera & Monitor	Obstetrics & Gynecology	1	6	5 years	yes
7	Portable Ultrasound & Colour Doppler	Obstetrics & Gynecology	1	6	5 years	yes
8	Cardiotocography Machine	Obstetrics & Gynecology	2	12	5 years	yes
9	Gynae OT Table	Obstetrics & Gynecology	1	6	5 years	yes
10	Delivery Bed	Obstetrics & Gynecology	2	12	5 years	yes
11	LEEP SYSTEM with Smoke Evacuator & integrated cart	Obstetrics & Gynecology	1	6	5 years	yes
12	Cryo Surgical System	Obstetrics & Gynecology	1	6	5 years	yes
13	Caesarean set	Obstetrics & Gynecology	1 set	6 Sets	5 years	yes
14	Hysterectomy set	Obstetrics & Gynecology	1	6	5 years	yes
15	MTP Suction	Obstetrics & Gynecology	2	12	5 years	yes
16	Multiparameter Monitor	Obstetrics & Gynecology	1	6	5 years	yes

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Warranty required	CMC required
17	Syringe Infusion pump	Obstetrics & Gynecology	2	12	5 years	yes
18	ESU with Vessel Sealing	Obstetrics & Gynecology	1	6	5 years	yes
19	ENT Operating Microscope	ENT	1	6	5 years	yes
20	Pure tone Audiometer	ENT	1	6	5 years	yes
21	Tympanometer	ENT	1	6	5 years	yes
22	OAE(screening)	ENT	1	6	5 years	yes
23	BERA with ASSR	ENT	1	6	5 years	yes
24	Endoscopic sinus surgery set	ENT	1	6	5 years	yes
25	Shaver System cum micro drill	ENT	1	6	5 years	yes
26	Full HD camera with recording system	ENT	1	6	5 years	yes
27	Surgical instruments- ear	ENT	1 Set (as per list in specification)	6 Sets (as per list in specification)	5 years	yes
	Surgical instruments- nose/rhinoplasty		1 Set (as per list in specification)	6 Sets (as per list in specification)		
	Surgical instruments- tonsils & adenoids		1 Set (as per list in specification)	6 Sets (as per list in specification)		
	Surgical instruments- tracheostomy		1 Set (as per list in specification)	6 Sets (as per list in specification)		
	Surgical instruments- microlaryngeal surgery		1 Set (as per list in specification)	6 Sets (as per list in specification)		
	General Surgical instruments- head & neck		1 Set (as per list in specification)	6 Sets (as per list in specification)		
28	LED Head Light	ENT	2	12	5 years	yes
29	Xenon head light with micro camera	ENT	1	6	5 years	yes
30	Bronchoscopy	ENT	1 set	6 sets	5 years	yes
31	Esophagoscopy	ENT	1 set	6 sets	5 years	yes
32	Flexible rhino-pharyngo-laryngoscope	ENT	1	6	5 years	yes
33	Videolaryngoscope	ENT	1	6	5 years	yes
34	Radiofrequency Unit For ENT	ENT	1	6	5 years	yes
35	Videonystagmography(VNG)	ENT	1	6	5 years	yes

Part II: Required Delivery Schedule:

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

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

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

b) For Imported goods directly from foreign:

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.

Note: Deleted

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

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

Destination/Consignee details are given in Section XXI

Section – VII
Technical Specifications

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

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

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

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

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

TECHNICAL SPECIFICATIONS

Schedule no. 1

Multipurpose electro hydraulic with manual override mobile Table with divided leg section suitable for all major surgical procedures, complete with 5cm mattress and corded handset.

A. General operating table features:

1. Full-length radio-translucent top.
2. 4 or 5 sections tabletop, which should be made of a special scratch resistant, hardwearing and easy to clean material. Base column cover to be made of 100% stainless steel alloy and stainless steel.
3. Removable head and leg sections to suit different applications, with cassette tunnel.
4. 100% Kidney Bridge position should be obtained without moving the patient, through remote Control by using extension/break function.
5. Battery powered, with facility for connection to mains electricity for immediate use. Battery Exhaustion protection and low battery warning via an audible 'beep'/display indicator should be available.
6. Table should not have a thread/sharp edge for ensuring proper cleaning and user safety.
7. Mattress should be of high quality that spans tabletop break for improved patient support. Its depth should be 50mm. Mattress must be Latex free.
8. The robust handset should offer 8 controls namely Trend. /Reverse Trend, Lateral Tilt, Flexion/ Extension and Height functions.
9. Brakes, 4nos Wheels
10. Table should have a narrow T-shaped base allowing optimum access and greater stability.
11. Table should have offset slim-line column, with S.S. Inverted telescopic covers, for superior imaging and access.
12. It should have a stable construction with 4nos Wheels of the base with large twin-disk castors for easy motion and manoeuvring (base braking by locking the twin-disk castors at the head end via a central foot pedal/ Hand control)
13. The table top should not be fitted with transverse members casting shadows on the X-ray images except for the release brackets for adjustment on either side.
14. The Table should be operated by the following operating elements: corded hand control, Manual override panel with manual override facility.

B. Electrical specification:

Special-design, maintenance-free rechargeable batteries with capacity for about a week's use in the operating room.

Recharging of the batteries and supply of the operating table by means of a mains cord

Nominal mains voltage (selectable) 220/230-240V AC via mains cord with inbuilt stabilizer.

C. Technical Data:

Length :	2000-2100 mm
Width :	550-600 mm
Minimum height (without mattress) :	600± 50 mm
Maximum height (without mattress):	Minimum of 1050 mm.
Maximum lateral tilt:	20-30 deg. (either side)
Trendelenburg:	atleast 25deg.
Reverse Trendelenburg :	atleast 25deg.
Head section adjustment :	±40-45 deg.
Leg section adjustment :	+50 deg; to -110 deg
Break (extension) position :	200-220 deg.
Break (flexion) position :	110-130 deg

Cranial & caudal traversing: 200-300 mm
Back section adjustment: 40-80 deg
Maximum patient weight : 250 kg or more
Technical Specification-
Accessories
Arm board - 2
Lithotomy leg holders “Geopel type” (adult and paediatric)-1set each
Body strap- 3
Anesthesia screen with clamps- 2
Side supports with clamps – 2
Knee crutches with clamps - 2
Clamp, rotary- 4 pc
Clamp, circular - 4 pc
Accessories stand, mobile on castors- 1 pc
Arm support, perplex -2 pc
X Ray cassette tray with pushing rod- 1
Accessories for operating in prone position

The table should be US-FDA or European CE approved product.
For Electrical IEC 60101-1, medical/electrical equipment for safety, IEC 60601-2-46 for safety of OT tables and IEC 60601-1-2 for Electromagnetic compatibility.

Schedule no. 2

Specifications For Electro Surgical Unit (Esu)

1.**Description of function**

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

2.Operational requirements"
2.1 Microprocessor/Microcontroller technology"

3.**Technical Specifications**

3.1 Integrated touch screen system with 350W output generator for monopolar cut, 120Watt for monopolar coagulation, bipolar cut 150Watt and Bipolar coagulation 120Watt and vessel sealing system for open and laparoscopic surgery"
3.2 Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels
3.3 Should have bipolar cut and coagulation in multiple levels with automatic bipolar coagulation.
3.4 Activation by foot switch and hand switch for all the modes.
3.5 Activation of bipolar by foot switch and automatic start/stop system
3.6 Auto diagnosis on switching on and during working to continuously monitor all parameters
3.7 Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.
3.8 Output powers adjustable automatically or manually from the control panel.
3.9 Programmable memory for output settings

3.10 Should be usable with laparoscopic monopolar and bipolar instruments, for which programmes and accessories must be available
3.11 System for neutral plate safety by continuous monitoring of contact quality and connection
3.12 System for monitoring and control of leakage current
3.13 Frequency Leakage on the patient should be less than 10 micro Amp.

4. System configuration Accessories,spares & consumables"
4.1 System as specified"
4.2 The accessories should include
(a) trolley,
(b) mains cable with power plug for standard Indian sockets,
(c) foot switches for monopolar & bipolar outputs.
(d) reusable **(5 Nos. each)** and single use **(200 Nos. each)** neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required.
(e) sterilisable **(10 Nos.)** and disposable **(100 Nos.)** electrode handle with and without finger switch with cable for electrode handle.
(f) set of electrodes (long and short) with electrode container with holder with tip cleaner.
(g) bipolar forceps with 2 cables,
(i) 2 cables for connecting to standard mono polar and bipolar laparoscopic instruments,
(j) Reusable dedicated instruments for open and laparoscopic monopolar, bipolar and vessel sealing use **(5 Nos. each).**
4.3 Complete System and all accessories should be from same manufacturer.
4.4 The codes and rates of all possible individual accessories should be quoted separately with clear mention of period of validity of rates

5. Environmental Factors

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

6.Power Supply

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian power-plug"
6.2 Suitable UPS

7. Standard & Safety

7.1 Should be USFDA/ European CE approved product. Copy has to be enclosed
7.2 Manufacturer and Supplier should have ISO certification for quality standards.
7.3 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
7.4 Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
7.5 Certified to be compliant with IEC 60601-2-2 Medical Electrical Equipment Part 2-2: Particular requirements for the safety of High Frequency Surgical Equipments: latest edition

8. Training

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

9.Warranty & Service

9.1 Comprehensive warranty for 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.

Schedule no. 3

SURGICAL MICROMOTOR SYSTEM

Should have following :-

1. Main Control Unit

- Operable Voltage 220-240Vac, heavy duty explosion proof
- Hand and foot control with integrated irrigation system, control for speed and irrigation both.
- Cable for Micro motor (sterlizable) & suitable attachment for irrigation bottle.

2. Micromotor

- Sterlizable, Microprocessor controlled, clockwise and anticlockwise movement, ideal running speed 40,000 RPM or better with following

Attachments

(a) Oscillating Saw, Sagittal Saw & Reciprocating Saw attachment

- Speed above 15,000 rpm
- 50 blades each for all three attachment

(b) Drill attachment, straight and angled, long & short.

(c) K wire attachment

(d) Jacobs chuck attachment

Should have international safety norms and quality certification.

Schedule no. 4
Open Surgical Instruments

Specifications

1. The instruments quoted should be of high quality and standard.

2. The Instruments should be imported and of CE or FDA certification.

3. Copy of the CE certificate or FDA certificate must be enclosed

4. The instruments must be ISO certified and copy to be enclosed

5. Sterilization Container should be quoted along with Instrument set.

6. Sterilization Container and Instruments should be of the same parent company.

7. The Sterilization containers should meet international standards an approved for steam sterilization procedures to EN 285: 2008 and validated acc to ISO 17665 Part1:2006

8. The Sterilization containers should offer superior filtration efficiency of 99.99997%.

9. It should have an indicator wherein colour green means the container is "sterile" and when the container is opened, the indicator should automatically change to red colour indicating "unsterile"

10. It should have reusable microbial barriers instead of disposable filters. The microbial barriers should be easy to remove and clean.

11. It should have lateral flow ducts at the top for flow of air.

12. The instruments should remain sterile in the container and the container should be capable of being brought into the Operation Room without any essential packaging.

13. It should also consist of tray and silicon matt (for microinstruments).

Sr No	Name of the Instruments	Qty per set
1.	Towel clip Doyens	12
2.	Towel clips Mayo's type, 5.5 inches	12
3.	Lanes artery forceps size 6 inch	06
4.	Straight artery forceps size 6 inch	06
5.	Straight artery forceps size 4 inch	06
6.	Curved artery forceps size 6 inch	06
7.	Fine tipped Curved artery forceps	12
8.	Curved artery forceps size 4 inch (Mosquito)	06
9.	Roberts type curved artery forceps 6 inches	06
10.	Crile Forceps, straight - 5 ½"	06
11.	Crile Forceps, curved- 5 ½"	06
12.	Rochester-Pean Forceps straight & curved- 6 1/4", 7 ¼" , 8"	06
13.	Right angle artery forceps (Lahey type) Blunt tipped 3 inch (Mini)	06
14.	Right angle artery forceps (Lahey type) fine tipped 6 inch	06
15.	Right angle artery forceps (Lahey type) fine tipped 3 inch	06
16.	Toothed dissecting forceps (Adson type) 6 inch	06
17.	Toothed dissecting forceps (Gilleis type) 6 inch	06
18.	Toothed dissecting forceps (Adson type) 3 inch	06
19.	Toothed dissecting forceps (Gilleis type) 3inch	06
20.	Non -Toothed dissecting forceps (Adson type) 6 inch	06
21.	Non -Toothed dissecting forceps (Gerald type) 6 inch	06
22.	Plain Non -Toothed dissecting forceps 6 inch	06
23.	Non -Toothed dissecting forceps (Mac indoe) 6 inch	06

Sr No	Name of the Instruments	Qty per set
24.	Non -Toothed dissecting forceps (Adson type) 3 inch	06
25.	Non -Toothed dissecting forceps (Gerald type) 3 inch	06
26.	Non -Toothed dissecting forceps (Mac indoe) 3 inch	06
27.	Angled long fine tip non toothed forceps 8 inch	06
28.	Debakey forceps 20 cm with tip width of 1.5mm	06
29.	Debakey forceps 20 cm with tip width of 2 mm	06
30.	Debakey forceps 30 cm with tip width of 1mm	06
31.	Lister Bandage Scissors- 51/2”	06
32.	Spencer Stitch scissors- 31/2” & 41/2”	06
33.	Spring bow scissors: straight 6 inches	04
34.	Spring Bow scissors: Curved 6 inches	04
35.	Spring needle holder: straight 6 inches	04
36.	Spring needle holder: curved 6 inches	04
37.	Micro metzenbaum 3 inches(Tungsten carbide)	06
38.	Metzenbaum Scissors 6 inches(Tungsten carbide)	06
39.	Metzenbaum scissors curved (Tungsten carbide)- 51/4”	06
40.	Metzenbaum scissors curved (Tungsten carbide)- 7”	06
41.	Suture cutting scissors 6 inch	06
42.	Mayo heavy curved cutting scissors(Tungsten carbide)- 6 inch	06
43.	Micro Needle holder Length 14cm Straight	02
44.	Micro Needle holder Length 18 cm Straight	02
45.	Micro Needle holder Length 14cm curved	02
46.	Micro Needle holder Length 18 cm curved	02
47.	Micro Scissors Length 14cm Straight	04
48.	Micro Scissors Length 18 cm, Straight	04
49.	Micro Scissors Length 14cm, Curved	04

Sr No	Name of the Instruments	Qty per set
50.	Micro Scissors Length 18 cm, Curved	04
51.	Micro forceps15cm long ,width 1.0 mm	04
52.	Sharp Curette Cups on both ends, assorted sizes, 13.5 cm to 20 cm (a set of three curette)	1 set
53.	Sponge holding forceps 6 inch	06
54.	Tenotomy scissors 6 inch	04
55.	Kochers straight forceps (fine tipped 6 inch)	06
56.	Kochers curve forceps (fine tipped 6 inch)	06
57.	Raynold scissors 4 inch	02
58.	Russian forceps 6 inch	06
59.	Kochers straight forceps (fine tipped 8 inch)	06
60.	Kochers curve forceps (fine tipped 8 inch)	06
61.	Babcock forceps 6 inch	06
62.	Babcock forceps 4 inch	06
63.	Allies forceps 6 inch (1/2 toothed)	06
64.	Allies forceps 3 inch (3/4 toothed)	06
65.	Allies forceps 3 inch (1/2 toothed)	06
66.	Instrument pin	12
67.	Scalpel handle (Bard Parker) no-4	06
68.	Scalpel handle (Bard Parker) no-3	06
69.	Scalpel handle (Bard Parker) no-7	06
70.	Mayo Straight Needle holder tungsten carbide tip 6 inch	06
71.	Mayo Hegar Straight Needle holder	06
72.	Crile wood Straight Needle holder 7 inch	06
73.	De-Bakey Straight Needle holder 7 inch	06
74.	Gillie Straight Needle holder 7 inch	06

Sr No	Name of the Instruments	Qty per set
75.	Curved 9 inch fine (Bonney type) needle holder for fine sutures	06
76.	Magnification loupes 2.5 magnification spectacle type(prismatic), Quality certified by national or international quality control organization, with variable focus and interpupillary distance	01
77.	Langenbacks Retractor ultra small	06
78.	Langenbeck retractor small	06
79.	Retractors, Single sharp hook	06
80.	Retractors, Single blunt hook	06
81.	Retractors, Double blunt hook	06
82.	Mastoid self retaining retractor 3 inch	02
83.	Fine tipped suction cannula	06
84.	Castro veigo needle holder 9 inch	02
85.	Castro veigo needle holder 3 inch	02
86.	Bulldog Clamps (straight) 4 cm lengths	06
87.	Bulldog Clamps (Curved) 4 cm lengths	06
88.	Micro bulldog clamp Straight and curved, 1 cm, with applicator	04
89.	Humby skin graft knife Handle (large size) with 5 Boxes of 10 Sterile Stainless Steel skin graft blades compatible with the handle. Price of the blades to be quoted separately	02
90.	Humby skin graft knife Handle (pediatric size) with 5 Boxes of 10 Sterile Stainless Steel skin graft blades compatible with the handle. Price of the blades to be quoted separately	02
91.	Mesher For expanding skin grafts	01
92.	Burr Hole set (Hudson) Adult	01
93.	Burr Hole set (pediatric) Adult	01
94.	Listersbougie set	1 set
95.	Hegar dilator set (set of 12)	1 set
96.	Oral self retaining retractor	02

Sr No	Name of the Instruments	Qty per set
97.	Periosteum elevator Length 160 mm blade width 8 mm	02
98.	Bone nibbler Length 7 inches, 4 mm wide	02
99.	Bone Cutter fine 7 inches, straight, double action	02
100.	Hook skin retractors	04
101.	Cat's paw retactor	04
102.	Kelley Retractor (Small)	04
103.	Cushings vein retractor Size: 250mm(10") Blade:10mm/12mm/14mmx11mm, one pair, stainless steel , autoclavable	04
104.	Cheatle forceps 10 inches, heavy, with box joint, made of stainless steel and autoclavable	06
105.	Cleft palate Hook: Curved shank, 18 cm	04
106.	Cleft palate raspatory: Curved shank 14 cm right	02
107.	Cleft palate raspatory: Curved shank 14 cm left	02
108.	Muco-periosteal retractor: Curved, 19 cm	02

Schedule no. 5
Specifications for
Laparoscopic Surgery Set with High Definition Camera

1 Description of Function	QTY.

Sl	Name
1.1	Laparoscope is used for minimally invasive surgery and comprises of telescope and associated instruments and units.

2 Operational Requirements	

Sl	Name
2.1	The set for Laparoscopic surgery should have units/groups of items/components as given below. They could be offered bundled in a comprehensive system or separately for each individual group, which should be adaptable with all major international brands.

3 Technical Specifications	

Sl	Name	
3.1	**CAMERA CONTROL UNIT & CAMERA** High definition Endoscopic camera system should have following features: a) Pure Digital HD technology with high definition video of 1920 x 1080p (min) native resolution. b) Progressive scan technology both on camera head and console c) Consistent use of 16:9 format for input and output for HDTV function. d) CCD chip having hi-fidelity image transmission with digital conversion at camera head itself. e) The system should have Digital Zoom to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the	**One(1)**

telescope used.

f) System should have integrated Optical Zooming facility with autofocus to enhance image size.

g) System should be able to optimize all the settings and should be ready as soon as connected to camera control unit with automatic brightness control.

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

Technical Specifications :-

a)	Image Sensor	3 x 1/3 Progressive scan CCD Chip
b)	Pixels	1920 X 1080 pixels per chip (min)
c)	AGC	Microprocessor controlled
d)	Lens	F14-32mm ± 10 %
e)	Video Outputs	Composite to BNC, Y/C to S-VHS, RGB to Dsocket, HDTV-DVI-D, DV for recording
f)	Input	Key Board for Character Generator, 5 pole DIN Socket
g)	Facility to directly record HD (High definition) quality photos and SD (standard definition) quality videos directly through the hub into an USB device.	
h)	Camera settings (e.g. white balance, zoom, gain, sharpness etc.) should be possible directly from the camera head buttons.	
i)	There should be communication bus to control all the units.	

3.2 **<u>MONITOR</u>** **One(1)**

One Wide Screen Monitor having the following features:

a) 26" full HD medical grade monitor in 16: 9/10 HDTV format, LED Crystal display,

b) Resolution: Minimum of 1920 x 1080 pixels

c) SDI/HD-SDI, Composite, S-Video, RGB, DVI-D and VGA input

d) All required cables and connectors, which should be specified

e) TFT screen stand/Fixtures for connecting to Pendant System/Ceiling Light Arm

	f) Dustproof and Drip water protected	
3.3	**TELESCOPES** 1. **5 mm -** **30 degree** angle of view **0 degree** straight view (each approximately 27-30 cm long) **10 mm-** **30 degree** angle of view 0 degree straight view (each approximately 30-35 cm long) 2. Colour coded for identification 3. Autoclavable	**One(1)** **One(1)** **One(1)** **One(1)**
3.4	**CO2 Electronic INSUFFLATOR** 1. Fully automatic, electronically controlled gas fill 2. Adjustable flow rate of 30-40 litres per minute and pressure range adjustable between 0 to 30 mm Hg 3. Optical and acoustic warning signals in case of malfunction or excessive pressure with automatic release of over pressure by back flow. 4. Selective connection to medical gas pipeline as well as direct connection to high pressure CO2 cylinder should be available. 5. Control by keys on front panel 6. Clear and adjacent front display of actual and preset flow rate, actual and preset pressure, gas consumed 7. Facility for preheating of gas to body temperature with both internal and external heating device. 8. Facility for easy evacuation of smoke and mist 9. Memory for retention of previous pressure settings 10. Should include pin-index connection to small/big gas cylinder with regulator, high pressure hose, mains cord, silicone autoclavable tubing set, universal wrench and gas filter	**One(1)**

3.5	**LIGHT SOURCE (Xenon 300) with TWO Spare Bulbs** 1. Xenon cold light fountain with 300 watts xenon lamp 2. Colour temperature of at least 5800 °K 3. Manual and automatic adjustment of light intensity 4. Brightness control to be regulated manually or automatically via the output signal of a video camera 5. Lamp life 500 hrs or more 6. Display of lamp life/Bulb usage meter warning light 7. Standby mode with emergency lamp with visual indicator 8. Electrical specifications a) Power supply voltage: 100-240 VAC b) Power frequency: 50-60Hz 9. The light source should comply with IEC 60601-1, belong to Class II a with CE mark	**One(1)**
3.6	**SUCTION-IRRIGATION UNIT** 1. Controlled suction and irrigation unit with flow rate of at least 1l/min. 2. Irrigation pressure control between 0-400 mm Hg, preferably by roller pump. 3. Suction pressure control between 0.75 bar. 4. Control from control panel and/or foot pedal 5. Main unit with digital display 6. Overflow protection on suction bottles 7. Accessories should include silicone suction tubing set with reusable pressure domes, bacterial filter and suction bottles with cap (minimum 5 ltrs.)	**One(1)**
3.7	**VIDEO-CART (Indian made)** a. Made of Stainless Steel/Epoxy coated metal with minimum 4 shelves.	**One(1)**

b. Portable on 4 antistatic dual castors, 2 with locking brakes

c. Required number of shelves for housing all the units of the set

d. Preferable adjustable arm for fixation to either side for fixing the TFT monitor

e. One drawer unit with lock and key

f. Cable Manager

g. Power box with concealed wiring for providing electrical connections of proper rating to all the units suitable for Indian plugs

3.8 **CARBON DIOXIDE CYLINDER**

Two large size cylinders with required regulators and connecting pipe to the insufflator with pressure gauze. **Two(2)**

3.9 **HAND INSTRUMENTS & OTHER ACCESSORIES**

S.No	Instrument	Specifications		Qty
1.	Reusable Veress Pneumoperitoneum Needle	Spring loaded blunt stylet luer lock	Length-10 cm -15cm	02 02
2.	Reusable Trocar :- 5mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip , length (10.5cm), autoclavable		06
3.	Reusable Trocar :- 10/11mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable		05
4.	Reusable Trocar :- 5mm	Multifunctional valve, insufflation stopcock and threaded sleeves, pyramidal tip with safety outlet hole		02

		near tip, length (10.5cm), autoclavable	
5.	Reusable Trocar :- 13.5mm	Multifunctional valve, insufflation stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable	01
6.	Two ways Suction and Irrigation cannula	a-Size 5mm, length 32-38cm, used with suction and irrigation handle and handpiece with stopcock b- Size 10 mm, length 32-38 cm	01 01
7.	Tissue Grasping forceps – toothed 2x3 teeth	Double action jaws of 20-23 mm , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchets, autoclavable	01
8.	Tissue Grasping forceps – toothed 2x 3 teeth	Single action jaws of size 30-35mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
9.	Maryland forceps	a-Double action jaws with size 14-16 mm , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	02
10	Grasping forceps-Atraumatic	Double action jaws, spoon shaped with multiple teeths of jaw length 18-23 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling	01

		facility, plastic handles without ratchet, autoclavable	
11	Dissecting and Grasping forceps- Alligator type	Double action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
12	Dissecting and Grasping forceps-	Single action jaw , with dolphin nose tip of 16-20 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	01
13	Grasping forceps- Atraumatic – Reddick Olsen type	Double action jaws, with fine serrations on jaw length 12-18 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	01
14	Grasping forceps- Fenestrated	Single action straight jaw of 24-26mm length with fine serrations and fenestration , rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
15	Grasping forceps- Fenestrated	Single action curved jaws of 35-40 mm length with fine serrations and fenestration, rotating, size 5mm, length 43-46cm, dismantling facility, plastic handles with ratchet, autoclavable	01
16	Babcock Grasping forceps- (5 mm)	Double action jaws, atraumatic fenestrated, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	01
17	Babcock Grasping forceps- (10 mm)	Double action robust jaws with large atraumatic gripping surface, rotating, size 10mm, length 33-36cm,	01

		dismantling facility, plastic handles with ratchet, autoclavable	
18	Dissecting and Grasping Forceps	Single action,atraumatic, fenestrated, curved jaws of length 25-28mm, rotating, size 5 mm, length 33-36cm, dismantling type, , plastic handles with ratchet, autoclavable	01
19	Dissecting Forceps-Right Angled	Double action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, , plastic handles without ratchet, autoclavable	01
20	Fan shaped retractor	Rotating with 4-5 blades, size 5mm, length 33-36cm, dismantling facility	01
21	Hook Scissors,	Double action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, , autoclavable	02
22	Rotating Metzenbaum Scissors	a-Double action jaws of length 14-16mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, autoclavable b- Insert of Metzenbaum scissors	02 02
23	Bipolar coagulating forceps	Wide jaws for dissection, grasping large vessels,size 5mm, length 33-36cm fenestrated. Jaws with robust hinge and 360° rotational, ring handles, can be completely disassembled and a cleaning port, autoclavable	01
24	Spoon Forceps	10 mm size, without ratchet	01
25	Reusable Hem-o-lock clip applicator	10 mm size	01
26	Bipolar coagulating forceps (Only Insert)	Maryland type jaw of 18-20 mm length, and 34-36 cm long to fit into	01

		the other parts of No. 23, autoclavable	
27	Needle Aspirator	Size 5mm, length 30- 36cm, Needle diameter of 1.5-2 mm	01
28	Needle holder (Disengageable, coaxial type)	Size 5mm, tungsten carbide tip, straight handle with ratchet, single moving with curved tip to left, length 33-36cm.	01
29	Needle holder insert (Straight type)	Size 5mm, tungsten carbide tip, single moving straight jaws, length 33-36cm.	01
30	Extracorporeal Knot pushers	Closed Eye type, length 28-32cm, size 3mm	01
31	Endoloop applicator	To fit into trocar size of 6 mm	01
32	Clip Applicator - Medium Large	Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 300	01
33	Clip Applicator - Large	Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 400	01
34	Hassan cone	Adaptable to 10mm trocar	01
35	Reduction Sleeves/Extractors	From 10/11mm to 5mm, metallic	01
36	Reducers	from 10/11mm to 5mm	03
37	L-Hook	Size 5mm, length 33-36cm with pin for cautery	02
38	J- Hook	Size 5 mm, length 33-36 cm	02
39	Spatula	Size 5mm, length 33-36cm with pin for cautery	01
40	Fascia closure instrument	Size 2.8mm, length 17cm with single action jaw	01

41	High Frequency Cord.	For 5mm & 10mm hand instruments with Monopolar Electrodes	02	02
42	Washers	For 5 & 10 mm cannula and reducers	10 pieces each	
43	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 250 cm long	01	
44	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 300 cm long	01	
45	Light Adaptor	Angled 90°, diameter 4.8 mm, free rotatable, to connect with standard telescopes	01	
46	Container Systems: Metal & Plastic	For sterilization and storage of telescopes, hand instruments and other accessories of different sizes.	03	
47	Bipolar HF connecting cable		02	
48	Unipolar HF cables		02	
49	Hydatid suction cannula		01	
50	Cleaning Brush	Length 35 cm, 0.0 -7 mm	02	
51	Cleaning Brush	Length 35 cm, 0.0 -2.5 mm	02	
52	Cleaning Brush	Length 50 cm, 0.0 -11 mm	02	
53	Cleaning Brush	Length 50 cm, 0.0-7 mm	02	
54	Oil dropper	No 38	02	
55	Silicon Oil for instruments	Bottle of 50 ml	04	
56	Special lubricant for stopcocks		04	
57	Duraglit for polishing metal sheaths and instruments		02	
58	Formalin chamber	Made of Virgin acrylic 4.5 mm	02	

		thickness, size 26” x 8” x 8” (LxBxH) with three tray for sterilizing lap. set	

4 System Configuration Accessories, spares and consumables

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

5 Environmental factors

Sl	Name
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

Sl	Name
6.1	Power input to be 220-240VAC, 50Hz fitted with Indian power-plug
6.2	Electronic Voltage corrector/stabilizer of appropriate ratings for power supply to the whole set meeting BIS Standards/Specifications.(Input 160-260 V and output 220-240 V and 50 Hz)
6.3	Optional UPS of adequate rating for power supply to the system for 60 minutes.

7 Standards & Safety

Sl	Name
7.1	Should be FDA , CE,UL or BIS approved product
7.2	Manufacturer and Supplier should have ISO certification for quality standards.
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
7.3	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
7.4	Certified to be compliant with IEC 60601-2-2 Medical Electrical Equipment Part 2-2: Particular requirements for the safety of equipment mentioned above – wherever applicable

8 Training

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

9 Warranty & Service

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

10 Documentation

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

Schedule no. 6

Laparoscopic Surgery Set with Hysteroscope & Resectoscope with High Definition Camera &Monitor

Technical Specification of Laparoscope

1 Description of Function

Laparoscope is used for minimally invasive surgery and comprises of telescope and associated instruments and units.

2 Operational Requirements

All offered items should be from same manufacturer.

3 Technical Specifications

3.1 TELESCOPES

a) 5 mm forward oblique, 30 degree – 1 no
b) 10 mm forward oblique, 30 degree – 1 no
c) 10 mm straight forward 0 degree – 1 no
d) All telescope should have following:
   - Low risk of object bum
   - Colour coded for identification
   - Autoclavable
   - Fibreoptic light transmission incorporated

3.2 HAND INSTRUMENTS & OTHER ACCESSORIES

1	Reusable Veress Pneumoperitoneum Needle- Spring loaded blunt stylet luer lock length 10/15cm/12cm - 4 each
2	Reusable Trocar:- 5mm – Multifunctional , insuflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm) ,Flapper valve - 4 nos
3	Reusable Trocar:- 10/11mm & 12 mm-Multifunctional valve, insufflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm) Flapper valve - 4 each
4	Suction and Irrigation cannula-Size 5mm, length 36cm, used with suction and irrigation handle, size 10 mm also, Reusable suction irrigation tubing set, Multifunction suction irrigation handle with provision for using 5/10mm diameter auxiliary instruments - 2 each
5	Grasping forceps curved - toothed 2x4 teeth-2 each-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each(5 & 10mm)
6	Grasping forceps straight- toothed 2x3 teeth-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each(5 & 10 mm)
7	Maryland forceps-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2 nos
8	Grasping forceps-Atraumatic-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
9	Grasping forceps-Allis-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
10	Grasping forceps Mixter-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos

11	Grasping forceps-plain dissection & Grasping-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
12	Grasping forceps-Babcock-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10 mm - 2 each (5& 10mm)
13	Fan shaped retractor-Rotating, size 5mm, length 33-36cm, dismantling facility - 2nos
14	Hook Scissors-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility- 2nos
15	Rotating Metzenbaum Scissors-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
16	Bipolar coagulating forceps-Size 5mm, length 33-36cm fenestrated- 2 nos
17	Bipolar coagulating forceps-Size 5mm, length 36cm, 3mm width of jaws -2 nos
18	High Frequency Cord-For 5mm & 10mm hand instruments with Monopolar Electrodes, spatula tip, needle electrode- 2 each
19	High Frequency Cord-For 5mm & 10mm hand instruments with Monopolar Electrodes, hook tip, knife electrode - 2 each
20	Knot pushers-Eye type, length 33-36cm,2 each for intra and extra corpal knotting
21	Needle holder coaxial type-5mm, tungsten tip, straight handle with ratchet, single moving jaw, length 33-36cm,2 with carbide insert tips for straight and curved needles
22	Clip Applicator-Medium -Size -Rotatable, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 300, 2 quoted with adequate no. of spare clip
23	Clip Applicator- Large-Rotatable, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 400, 2 quoted with adequate no. of spare clip
24	Hassan cone-Adaptable to 10mm trocar- 2nos
25	Blunt Obturator-For 11mm port-From 10/11 mm to 5mm & 5 to 3 mm - 2nos
26	Reducer-Size 5mm, length 33-36cm with pin for cautery - 2nos
27	L-Hook-Size 5mm, length 33-36cm with pin for cautery- 2nos
28	Spatula-Size 5mm, length 33-36cm with pin for cautery - 2nos
29	Fascia closure instrument-Size 2.8mm, length 17cm - 2nos
30	Washers-For 5 & 10 mm cannula and reducers - 100 each
31	Container System: Metal & Plastic-For Sterilization and storage of telescopes, hand instruments and other accessories. Different sizes - 3nos
32	Metzenbaum scissors-High performance with bipolar cautery - 2nos

33	Large operating scissors-With double action jaws (slightly curved) Rotatable 10mm diameter instruments with a working length of 33-36cm, dismantting facility - 2 nos
34	Assistant needle holder-5mm diameter instrumentations with a working length of atleast 33-36 cms with carbide insert tips for straight and curved needles. 2 for straight & curved needles with carbide insert tip
35	Disposable extraction bags
36	Injection and puncture canula-5 mm diameter, 33-36cms length with luer lock - 2 nos
37	Myoma screw-5 mm, 33-36 cms length, 10mm - 2 nos
38	Uterine Manipulator-LAVH, mobilization of uterus, indentification of vaginal fornices and sealing of vagina during hysterectomy.
39	CCL Vaginal extractor for LAVH Surgery
40	HF Needle electrode for splitting & coagulation insulated with connection pin for unipolar coagulation, working length – 31-33cm.
41	Electronic morcillator-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable)
	Morcellator with accessories-•

a. Electronic Drive unit with motor for use with morcellator
b. Morcellator tube serrated edge
c. Atraumatic trocar sleeve with pyramidal trocar 12mm
d. Claw forceps insert 2 x 3 teeth
e. Insulated sheath
f. Laproscopic Bag.
g. Insulated handle with HF connection rotating with ratchet

42	High frequency monopolar cables-For above auxiliary instruments.
43	Hight frequency bipolar cables-For above auxillary instruments.
44	Cleaning accessories-
	a. Cotton carrier with thread
	b. Cotton carrier with “U” shaped handle
	c. Cleaning brush
	d. Brush for cleaning jaws
	e. Oil dropper
	f. Wadding silver polish
	g. Special lubricating oil
Note : Insulated outer sheath for all forceps and scissors	

3.3 INSUFFLATOR

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

3.4 CARBON DIOXIDE CYLINDER (type-B)

Large size cylinders with required regulators and connecting pipe to the insufflator (Type-B) – 2 nos
Gas tubing – 4

3.5 SUCTION-IRRIGATION UNIT

a) Pump for irrigation and suction
b) Maximum irrigation pressure 400 mm Hg
c) Suction pressure 0.75 bar
d) Control from control panel and/or foot pedal
e) Overflow protection on suction bottles
f) Accessories should include silicone tubings (2 nos), bacterial filter and bottles with cap
g) Irrigation suction flow rate should not be less than 2-5 L/min.

3.6 Sterilization/Disinfection Tray:

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

3.7 Formaline Chamber:

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

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

3.9 CAMERA CONTROL UNIT & CAMERA HEAD

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

a) Digital HD technology
b) Progressive Scan

c) Camera control unit with three chip HD camera head having HD CCD chip of same aspect ratio of 16:9 and camera control unit should be able to produce following video output: DVI-D-2 nos, RGB-1 no. SDI – 1 no, S-VHS-2 nos, Composite Video – 1 no.
d) Three chip camera head should produce at head itself Pure Digital Signal with High Definition video (1920 * 1080P) with aspect ratio of CCD chip and video format of 16:9 or 16:10.
e) System should have integerated Parafocal Optical Zoom (F 14-30mm, 2 X) to enhance image size and focus lens/rings to make it fully soakable and waterproof.
f) System should be able to optimize all the settings and should be ready as soon as connected to camera control unit.
g) Camera control unit should be compatible with all camera heads i.e Three chip
h) Should be compatible for remote controlled operation of various features
i) Camera should be suitable for both Laparascope, Hysteroscope & Resectoscope
j) Should have Integrated gain, shutter, Enhancement, white balance with brightness control.
k) All camera functions to be controlled from camera head buttons and through key board at camera control unit to make it controllable from both sterile and non-sterile zone.
l) Technical Specification :-

- Image Sensor CCD Chip
- Pixels 1920 x 1080
- AGC Microprocessor controlled
- Lens F14-30mm
- Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D Socket, HDTV-DVI-D, DV for recording
- Input Key Board for Character Generator, 5 pole Din

3.10 High Definition Medical Grade Monitor

Two Wide Screen Monitors having the following features:

a) HDTV Display in 16:10 HDTV format.
b) LCD/LED Crystal display
c) 26” High Resolution HD video Medical grade monitor – 2 nos
d) Resolution : 1920 x 1200 pixels
e) SDI/HD-SDI, Composite, S-Video RGB, DVI-D, VGA input, S-VHS – 2 nos, should also have same video output.
f) All required cables and connectors, which should be specified
g) TFT screen stand/Fixtures for connecting to pendant system/Ceiling Light Arm
h) Dustproof and Drip Water Protected
i) Fast response time: (5-12ms)
j) Number of colours: 16.8 million
k) Luminance: 500cd/m2, contrast ratio: 800:1
l) Vertical/Horizontal Viewing angle: 178 degree

3.11 LIGHT SOURCE

a) Xenon 300 watts
b) Manual and automatic adjustment of light intensity
c) Lamp life 500 hrs or more with at least one spare bulb
d) Display of lamp life/Bulb usage meter warning light
e) Standby mode with emergency lamp with visual indicator
f) Long (250 cm or more) fluid and fibre-optic light cable of diameter 4.8-5 mm
g) Built in anti fog air pump
h) Light weight
i) Certified for National International safety standard normal

j) Should be able to produce colour temperature of 6000K.

3.12 VIDEO- CART

a) Made of stainless steel / Epoxy coated metal
b) Portable on 4 antistatic dual castors, 2 with locking brakes
c) Required number of shelves for housing all the units of the set
d) Adjustable arm for fixation to either side for fixing the TFT monitor
e) One drawer unit with lock and key
f) Cable Manager
g) Power box with concealed wiring for providing electrical connections of proper rating to all the units

3.13 IMAGE MANAGEMENT SYSTEM

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

3.14 VIDEO COLOUR PRINTER

i. For endovision camera and multi colour systems existing in country.
ii. Large colour prints of video images with outstanding quality at least 4 different Images can be stored and printed on one sheet.
iii. Memories at least 4 rame, should be compatible with any monitor and should be Supplied with all connecting cables, satisfying international quality controls, safety Norms and power supply.

4. Technical Specification for Hysterescope & Resectoscope

4.1 Description of Function

4.1.1 The resectoscope is a hysteroscope with a built in wire loop (or other shape device) that uses high-frequency electrical current to cut or coagulate tissue. It allows surgery inside the uterus an organ without having to make an incision.

4.1.2 Hysteroscopy uses a hysteroscope, which is a thin telescope that is inserted through the cervix into the uterus for examination

4.2 Operational Requirements

4.2.1 Complete unit with Resectoscope and Hysteroscope is required

4.3 Technical Specifications

A) HYSTEROSCOPE TELESCOPES STANDARD –

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

B) Diagnostic Sheath with obturator 5mm diameter for the above 4 mm Hysteroscope telescopes(item A), with luer lock adapter .

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

D)Accessories

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

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

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

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

ACCESSORIES FORRESECTOSCOPE FOR TCRE UNIPOLAR AND BI-POLAR SET

UNIPOLAR WORKING	**Unipolar Working Element to be used with 26FR Resectoscope sheath:** Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope	1 no
CUTTING LOOP ELECTRODE FOR UNIPOLAR	Cutting loop 24 Fr	12 nos
STRAIGHT CUTTING ELECTRODE FOR UNIPOLAR	Forward angle/straight cutting loop 24Fr	06 nos

ROLLER COAGULATING ELECTRODE FOR UNIPOLAR	Roller electrode Cylindrical diameter 3mm, 24Fr	06 nos
POINTED ELECTRODE FOR UNIPOLAR	Pointed electrode/Collines HF knife electrode, 24Fr	06 nos
VAPOR CUTTING ELECTRODE UNIPOLAR	VAPOR CUTTING Electrode, 24Fr	06 nos
SPIKE ELECTRODE UNIPOLAR	SPIKE Electrode 24Fr, size 3mm diameter, 24Fr	06 nos
BIPOLAR WORKING ELEMENT SET	**BIPOLAR Working Element to be used with 26Fr Resectoscope sheath:** Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope. Should work in saline	01 no
BIPOLAR CUTTING LOOP	BIPOLAR Cutting loop 24 Fr should work in saline	6 no
BIPOLAR CUTTING LOOP SMALL	**Cutting Loop 24Fr,** bipolar, small should work in saline	6 no
BIPOLAR ELECTRODE POINTED	**Coagulating Electrode 24Fr,** bipolar, pointed should work in saline	6 no
BIPOLAR ELECTRODE BALL END	**Coagulating Electrode 24Fr,** bipolar, ball end should work in saline	6 nos
BIPOLAR LOOP STRAIGHT	**Cutting Loop 24Fr,** bipolar, straight should work in saline	6 nos
RESECTOSCOPE SHEATH FOR UNIPOLAR	**Continuous Flow Resectoscope Sheath** 26 Fr., including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, fixed inner tube, with ceramic insulation, for use with working element .	2 nos
RESECTOSCOPE SHEATH FOR BIPOLAR	**Continuous Flow Resectoscope Sheath** 26 Fr., for Bi-Polar, including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, rotating inner tube, with ceramic insulation, for use with working element should work in saline	1 no

OBTURATOR	**Obturator**, for use with the Resectoscope sheath.	2 nos
FIBER OPTIC CABLE	**Fiber Optic Light Cable,** diameter 3.5 mm, length minimum 300 cm	2 nos

F) Hysteromet –

- Suction and irrigation system for use in hysteroscopy
- Irrigation function is performed by electric pump
- Maximum parameters for hysteroscopy are automatically set
- Precise presetting of volume and pressure of suction and irrigation parameters via touch keys.
- Adjacent display scales for set values and actual value to ensure safe monitoring.
- To be used with pressure regulated from 0 to 200mm of Hg, and flow rate regulated from 0-500ml/min. Suction regulated to 0 to -50kPa. Power supply 100-240 VAC, 50/60 Hz, Mains cord.
- Connecting cable 100 cm, one pedal foot switch.
- hysteroscopic tubing set.
- Suction and irrigation tube, antireflex surface with two way stop cock for single hand control.
- Suction bottle 1.5 l and 5 l, sterilizable with bottle stand and bottle stand holder.
- Silicon Tubing Set for suction ,sterilizable.
- Hysteromet should be from same manufacturer as of Hysterescope

5. Electrocautery compatible with Laparascope, Hysterescope & Resectoscope

1• Should have unipolar cutting and coagulation as well as bipolar cutting and coagulation modes and have the facility of blending cutting and coagulation in different ratios and degree –soft, standard and/ or forced coagulation and spray coagulation.

2• Arc controlled cutting with a pre selectable power of maximum of 200 watts in both unipolar and bipolar modes.

3• Arc controlled coagulation with a pre selectable power of maximum of 120 watts in both unipolar and bipolar modes.

4• Auto stop function with automatic power – off on completion of coagulation process.

5• Automatic start function for bi- polar coagulation. Should be operable both in hand and foot mode and should have hand control switch on the handle of the electrode. Bipolar application with irrigation with sodium chloride.

6• Endoscopy mode with reduced voltage out put for use with fine endoscopic electrodes.(microfunction)

7• It should have automatic read out panel to display current being used and actual output at distal tip of electrode, simple operation due to clearly arranged control with easy to read symbols.

8• Should be compatible with under water operative procedures

9• It should have neutral electrode monitoring through a patient contact system.

10• It should have automatic high frequency power cut off by autocoagulation stop and autostart facility

11• The unit should have the facility of self testing for trouble shooting.

12• Visual and acoustic signs of HF activation by different colored indicators and different acoustic tones for cutting and coagulating.

13• Unit should have safety monitoring circuit in event of malfunction for output monitoring. Neutral electrode connection .Automatic self test and automatic power cutoff in event of malfunction. Ground leakage current(LF/HF) HF application time.

14. Power supply 230VAC, 50/60 Hz.

15• The unit should be supplied with all standard accessories such as Electrode,Foot switch, Twin earth pad , bipolar forceps with Cord, Electrode Handle with switches , neutral plate, ball electrodes, Loop electrodes, variable output power for all types of currents.

6 System Configuration Accessories, spares and consumables

6.1 System as specified

6.2 ACCESSORIES:- All Possible accessories of the equipments should be quoted. The specific accessory and its quantity will be decided on the basis of actual requirement

6.3 The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be provided

6.4 The codes and rates of all relevant individual accessories should be quoted separately with clear mention of period of validity of rates

6.5 Cautery system should be upgradable for vessel sealing device.

7 Environmental factors

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

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

8 Power Supply

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

8.2 UPS for all systems of adequate rating for power supply to the system for 60 minutes.

9 Standards & Safety

9.1 Should be USFDA or European CE approved product

9.2 Manufacturer and Supplier should have ISO certification for quality standards.

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

9.4 Shall meet internationally recognized standard for Electro Magenetic Compatibility (EMC) for electromedicalequipment : IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended

9.5 Certified to be complaint with IEC 60601-2-2 Medical Electrical Equipment part 2-2: Particular requirements for the safety of equipment mentioned above – wherever applicable

10 Training

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

10.2 Training of two faculties from each consignee to be provided.

11 Documentation

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

11.2 Statement of compliance with tender specification with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provide for noncompliant specification with justification must be described in details with supporting literature.

11.3 Certificate of Compliance with standards and approvals stated above

11.4 Certificate of manufacturer/principal regarding authorization of service facility provided by the supplier

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

11.6 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.

Schedule no. 7

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 8kg excluding cart and accessories.
2 It should be suitable for Gynecology, Obstetrics, 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: Three (1) Convex 5-2 MHz for abdominal imaging, (2) Linear 5-12 MHz for intra-op imaging (3) Endocavitory 8-5 MHz for transvaginal and 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, steer, 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 30 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 A. Sorting of data base with patient name and date should be possible.
B. All standard measurements, calculations & report formats should be available for vascular, Gynae & Obs and abdomen applications.
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 be compatible with 200-240V, 50 Hz with Indian power requirement.
22 In built battery backup for at least 60 minutes use should be available.
23 The unit should be compatible with DICOM3 or more and it should be possible to connect to the Hospital network through suitable LAN port. It will be the responsibility of the supplier to ensure hassle free networking as and when requested.
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
31 Suitable LASER colour printer should be provided. (Separate price to be quoted).
32 The system to be USFDA or European CE approved.
33 The bidder is expected to demonstrate the system when requested. However the necessary documents should have been submitted with the technical bid.

Schedule no. 8

Cardiotocography Machine

1 Description of Function	
1.1	Antepartum and Intrapartum foetal monitor (Cardiotocomachine) is used to monitor Foetus during antepartum period (before labour) or intrapartum period (birth process)"
2 Operational Requirements	
2.1	The complete unit with printer and all accessories should be offered.
3 Technical Specifications	
3.1	The monitor should be provided with 1) Battery and main operation facility 2) Should have inbuilt LCD / TFT Screen with tilt adjustment upto 90 degree with facilities to display on screen fetal heart tracings and toco tracings. 3) Should be compact, light weight and should have inbuilt carrying handle and waterproof transducers. 4) The unit should have Fetal Heart Rate range 50 to 240 bpm External Toco range 0 to 127 relatives units Should have NST timer for antepartum applications 5) Highly sensitive ultra sound transducer which should be 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer should be a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Should have facility to connect any transducer in any socket for easy use. Preferably there should be facility to switch between transducers when more than one transducer is used. 6) Ability to give an accurate continuous trace and should be able to detect sudden beat changes upto 25 bpm 7) Audible alert indication of fetal bradycardia and tachycardia 8) External tocotransducer which should be a sealed waterproof unit. Guard ring designed to reduce maternal respiration artifact. 9) Patients event marker. 10) Capability of automatic fetal movement detector. 11) Digital numeric and text display along with audio signal of fetal movement Should have inbuilt keyboard entry screen for patient data entry, name etc. Minimum 5 hour memory of traces with fast printing. 12)Should provide following accessories – Transducer belts, Belt buckles,Main cables, interconnecting cables, ultrasound gel bottles. 13) Inbuilt high resolution thermal/Laser printer with easily available cost effective paper. 14) Should be provided with trolley with wheels with locking facility for mounting the unit on it with accessories for storage of transducers paper etc or the unit must have the facility for wall mounting and a protective cover with cabinet. (15) Should have facility for intra uterine pressure monitor. (16) Should have facility to record fetal heart rate pattern through fetal ECG. (17) Should have facility to monitor twins. Should have twin offset feature so that both fetal

	heart traces are clearly visible. (18) Should have facility of connection of central monitor system.

4 System Configuration Accessories, spares and consumables

4.1	Machine will be supplied with 20 nos of paper roll with each unit. Bidder has to ensure the supply of paper roll. (Price for paper roll to be quoted separately)

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 operating continuously in ambient temperature of 20-30 deg C and relative humidity of 35-90%
5.3	The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%

6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2	Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied

7 Standards, Safety and Training

7.1	Should be US FDA or European CE approved product
7.2	Comprehensive training for lab staff and support services till familiarity with the system.
7.3	Manufacturer should have ISO certification for quality standards.
7.4	Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

8 Documentation

8.1	User/Technical/Maintenance manuals to be supplied in English.
8.2	List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
8.3	Certificate of calibration and inspection.
8.4	List of important spare parts and accessories with their part number and costing.
8.5	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.
8.6	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.

Schedule no. 9

Multipurpose electro hydraulic with manual override mobile Table with divided leg section suitable for all Gynaecological surgical procedures, complete with 5cm mattress and corded handset.

A. General operating table features:

15. Full-length radio-translucent top.
16. 4 or 5 sections tabletop, which should be made of a special scratch resistant, hardwearing and easy to clean material. Base column cover to be made of 100% stainless steel alloy and stainless steel.
17. Removable head and leg sections to suit different applications, with cassette tunnel.
18. Battery powered, with facility for connection to mains electricity for immediate use. Battery Exhaustion protection and low battery warning via an audible 'beep'/display indicator should be available.
19. Table should not have a thread/sharp edge for ensuring proper cleaning and user safety.
20. Mattress should be of high quality that spans tabletop break for improved patient support. Its depth should be 50mm. Mattress must be Latex free.
21. The robust handset should offer 8 controls namely Trend. /Reverse Trend, Lateral Tilt, Flexion/ Extension and Height functions.
22. Brakes, 4nos Wheels
23. Table should have a narrow T-shaped base allowing optimum access and greater stability.
24. The table top should not be fitted with transverse members casting shadows on the X-ray images except for the release brackets for adjustment on either side.
25. The Table should be operated by the following operating elements: corded hand control, Manual override panel with manual override facility.
26. There should be 'U' cut compatible for Gynae surgery.

B. Electrical specification:

Special-design, maintenance-free rechargeable batteries with capacity for about a week's use in the operating room.

Recharging of the batteries and supply of the operating table by means of a mains cord

Nominal mains voltage (selectable) 220/230-240V AC via mains cord with inbuilt stabilizer.

C. Technical Data:

Length : 6-6.5 ft

Width : 3.5 ft

Minimum height (without mattress) : 600± 50 mm

Maximum height (without mattress): Minimum of 1050 mm.

Maximum lateral tilt: 20-30 deg. (either side)

Trendelenburg: atleast 25 deg.

Reverse Trendelenburg : atleast 25 deg.

Head section adjustment : ±40-45 deg.

Leg section adjustment : +50 deg to -110 deg

Break (extension) position : 200-220 deg.

Break (flexion) position : 110-130 deg

Cranial & caudal traversing: 200-300 mm

Back section adjustment: (-15 to +70)deg

Maximum patient weight : 250 kg or more

Technical Specification-

Accessories

Arm board - 2

Lithotomy leg holders "Geopel type" (adult and paediatric)-1set each

Body strap- 3

Anaesthesia screen with clamps- 2

Side supports with clamps – 2

Knee crutches with clamps - 2

Clamp, rotary- 4 pc

Clamp, circular - 4 pc

Accessories stand, mobile on castors- 1 pc

Arm support, perplex -2 pc

Infusion rod with clamp

Drain Tray

D Environmental factors

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.

- The unit shall be capable of operating continuously in ambient temperature of 20-30 deg C and relative humidity of 15-90%
- The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%

E Power Supply

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

F Standards, Safety and Training

- Should be USFDA or European CE approved product
- Manufacturer should have ISO certification for quality standards.
- Comprehensive training for lab staff and support services till familiarity with the system.

G Documentation

- User/Technical/Maintenance manuals to be supplied in English.
- List of important spare parts and accessories with their part number and costing.

- 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.
- List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
- Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Schedule no. 10

Equipment Specifications for DELIVERY BED

1 Description of Function	
1.1	Delivery bed is used for Baby Delivery and should incorporate ideal blend of the patient's individual requirements on comfort and the professional needs of the delivery team, focusing on the esthetic and functional design of the entire product.
2 Operational Requirements	
2.1	Delivery bed should be supplied with all accessories as mentioned in the technical specifications.
3 Technical Specifications	
3.1	Delivery Bed Should have following essential specifications: 1• It should have control devise for making height and back adjustments.[manual as well as remote control]. 2• It should have collapsible side rails 3• It should have three sectional mattress and seat section should have large perineal cut. 4• It should have head board which can be detached. 5• Should have wheels provided with locking system. 6• Should have retractable foot section so as to convert bed into table. 7• Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed. 8• Should have adjustable leg rests available as an accessory. 9• Should have push grip handles 10• Should have sliding stainless steel bowl at perineal part of table. 11• It should have catheter bag holder which can be attached on either side of bed. 12• It should be able to give trendelenburg, reverse trendelburg and 70 degree sitting position both mechanically and electronically. 13• It should have adjustable foot supports for nursing staff 14• It should be easy to clean, sterilize (especially blood stains) and maintain. 15. Frame should be of epoxy powder coated steel 16.Dimensions - Length 6feet and width =2 and half feet.
4 System Configuration Accessories, spares and consumables	
4.1	All consumables required for installation and standardization of system to be given free of cost.
5 Environmental factors	

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

6 Power Supply

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

7 Standards, Safety and Training

7.1	Should be European CE or US FDA.
7.2	Manufacturer should have ISO certification for quality standards.
7.3	Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation

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

Schedule no. 11

LEEP SYSTEM with Smoke Evacuator & integrated cart

Specification

1. Should have electrosurgical generator with isolated power output and LED display located in front for precise power selection, deliver and easy to use
2. Should have provision of choice to CUT, BLEND and COAG. Wave form to accommodate subtle differences in technique and electrode performance
3. Should have RF output frequency 450Khz power cut 0-100 watt
4. Should have flash faceplate membrane facilitate operation cleaning

5. Should have microprocessor controlled for increased precision, accuracy, reproducibility and safety
6. Should have pneumatic foot pedal for maximum safety
7. Should have audible safety features include distinct tones for each operating setting
8. Should have automatic self test mechanism ensures accurate system operation
9. Should have high air flow efficiently captures smoke plume with a variable speed control
10. Should have triple stage filtration captures airborne particulate matter, vapor and odor with a 99.999% efficiency level
11. Should have virtually maintenance free
12. Should have replacement filters available
13. Standard accessories are:-1) hand piece adaptor 2) patient return (single use) 6) smoke evacuator package 7) smoke evacuator pre filter 8) smoke evacuator reducers 9) smoke evacuator disposable tubing (6 ft.) 10) ball electrode 11) electrode 2cmx0.8cm, 12c
14. Should be USFDA or European CE approved

Schedule no. 12

Cryo Surgical System

Specification

1. Operating Pressure Range : 40-60 bar.
2. Coolant: N2O or CO2 in two cylinders (A type).
3. Gas consumption for freezing: ca.35g – 50 g/min.
4. Max. exhaust gas volume: 40-60 l/min
5. The unit should have Manometer to monitor operating pressure.
6. A different indicator lamp to indicate freezing and defrosting phase.
7. Should have a connection pipe for gas exhaust.
8. It should be mounted in a cart with cylinder case for easy mobilization
9. Activation should be via footswitch.
10. Min freezing temperature should reach within 5 seconds.
11. It should be supplied with multiple different sized probe-tips to cater for cervical cryocautery of lesion of all sizes.
12. All cryo probes and accessories should be autoclavable.
13. Should be European CE or US FDA approved.
14. Minimal maintenance, Flawless performance, Available with knob to regulate pressure.

Schedule no. 13

CAESERAN SET

No.	Item	Qty per set
1	* BP Handle No.04	02
2	* DEbakey Forceps plain 8” atraumatic tissue forceps	04
3	* DEbakey Forceps toothed 6” atraumatic tissue forceps	04
4	* Adson Forceps plain 5”	02

5	* Adson Forceps toothed 5”	02
6	* Metzenbaum Scissor Stght 8” (TC TIP)	02
7	* Metzenbaum Scissor Cur 8” (TC TIP)	02
8(i)	* Kocher Artery Forceps Stght 7”	01
8(ii)	Haeny Mod Cur 8” Hysterectomy Clamp ”	01
9(i)	* Babcock Tissue Forceps 6”	02
9(ii)	* Babcock Tissue Forceps 7”	02
10(i)	* Allis Tissue Forceps 6”	04
10(ii)	* Allis Tissue Forceps 8”	04
11	* Artery Forceps Cur 8” long	02
12	* Artery Forceps Cur 6” Medium	02
13	* Mosquito Artery Forcep Cur 5”	04
14	* Doyen’s Retractor 3”	02
15	* Langenback Retractor 11x35mm	01
16	Heavy Straight Scissor S.S./Sharp 8”	02
17	* Needle Holder 8” & 6” (TC TIP)	03+2
18	* Kidney Tray 8” S.S.	02
19	* Bowl S.S.	01
20	Green Armytage X’s series	04
21	* Artery Forceps str 6”	02
22	* Right Angle Artery Forcep MIXTER 8”	02
23	* Sponge Holding Forcep 10” & 6”	02+02
24	* Suction Tip Pool Stght 8mm All S.S.	01
25(i)	* Cross Action Towel Clips Engl.Mod. Angled 3.5”	04
25(ii)	* Cross Action Towel Clips Backhaus 3”	01
26	Wrigley Outlet Forceps	01 set

- Instruments should be of High quality stainless steel, corrosive resistant & reusable, and rust free.
- Demonstration of all the instruments is must as & when required.
- All instruments should be US FDA or European CE approved.

Schedule no. 14

ABDOMINAL / VAGINAL HYSTERECTOMY PER SET

No.	Item	Qty per set
1	* BP Handle No.04	02
2	* Dissecting Forceps plain 8”	01
3	* Dissecting Forceps toothed 8”	01
4	* Dissecting Forceps plain 6”	01
5	* Dissecting Forceps toothed 6”	01
6	* Kocher Artery Forceps Stght 7”	02
7	* Kocher Artery Forceps Cur 7”	08
8	* Artery Forceps Cur 8” long	04
9	* Artery Forceps Cur 6” Medium (FINE)	04
10	* Mosquito Artery Forcep Cur 5”	04
11	* Artery Forceps str 6”	04
12	* Doyen’s Retractor 3”	01

13	* Deaver's Retractor 1" & 3"	2+2
14	* Langenback Retractor 8x35mm	01
15	* Morris Retractor with ring handle 2.5"	01
16(i)	* Babcock Tissue Forceps 6"	02
16(ii)	* Babcock Tissue Forceps 7"	02
16(i)	* Allis Tissue Forceps 6"	08
16(ii)	* Allis Tissue Forceps 8"	08
17	* Kidney Tray 8" S.S.	02
18	* Bowl S.S. 6"	03
19	* Metzenbaum Scissor Stght 8" (TC TIP)	01
20(i)	Metzenbaum Scissor Cur 6" (TC TIP)	02
20(ii)	Metzenbaum Scissor Cur 8" (TC TIP)	01
21(i)	* Needle Holder 6" (TC TIP)	02
21(ii)	* Needle Holder 8" (TC TIP)	01
21	* Myomectomy Screw (small, medium & large)	01 each
23(i)	* Right Angle Artery Forcep MIXTER 6"	01
23(ii)	* Right Angle Artery Forcep MIXTER 8"	01
24	* Sponge Holding Forcep 10"	02
25	* Balfour Retractor 10" shaft for abdominal hysterectomy Doyen's 8" shaft	01
26(i)	* Suction Tip Yankeur All S.S.	01
26(ii)	* Suction Tip Pool Stght 8mm All S.S.	01
27(i)	* Cross Action Towel Clips Engl.Mod. Angled 3.5"	03
27(ii)	* Cross Action Towel Clips Backhaus 3"	02
28	Heaney ATrauma Straight UNS-370-23 Hysterectomy Clamps	02
29	Heaney ATrauma Curved UNS-371-22 Hysterectomy Clamps	04
30	Uterine manipulator. double action 11"	02
31	Mayo's Scissors (TC TIP)	02
32	Kelly Clamps	05
33	Right Angled Clamps	02
34	Suction tips	02
35	Micro needle holder (TC TIP)	02
36	Microscissors (TC TIP)	02
37	Wertheim's Vaginal clamp	02
38	TC parametrium scissors	02
39	Shirodkar's uterine holding forceps & rubber pad	01

- Instruments should be of High quality stainless steel, reusable, light weight, corrosive resistant, and rust-free.
- Demonstration of the equipment is must as and when required.
- All instruments should be USFDA or European CE approved.

Schedule no. 15

MTP SUCTION FOR OBST. & GYANE DEPARTMENT

Technical Specification

Should have following facility.

1 Piston/cylinder system (self lubricating) approx. 70rpm

2 Fast vacuum build up, vacuum capacity 50L/min, -90 Kpa/-675mm Hg

3 Should be very quiet in operation.
4 3 ltrs double suction container, polysulfone, graduated with lid for overflow protection and 2 spare suction tuby.
5 Separate foot on/off switch.
6 operated on 220-240 V/50 Hz
7 Mobile caster stand on 4 antistatic castor, 2 with locking device
8 Equipment should be manufactured by well known International Company.
9 It should be USFDA or European CE approved.

Schedule no. 16
Multiparameter monitor

Technical specification

1) Wall mounted modular unit suitable for all patient categories. i.e. neonates and infants, children and adolescents.
2) Parameters monitored : ECG ,HR. Respiration rate, SPO2, NIBP
3) Display: Colour TFT, approx. atleast 10 inch, with wide viewing angle, facility for display of at least 5 waveforms
4) Soft touch keys, durable and easy to clean
5) Measurements ranges:
   - ECG : 5 or 6 lead
   - HR: approx. 30to 250bpm; accuracy 3 bpm
   - NIBP: approx. 20 to 290 mmHg (systolic) 10 to 180 mmHg(Diastolic) accuracy ±3 mmHg,
   - NIBP hose should be at least 6 feet.
   - SpO2: approx. 10 to 100%, accuracy ±1%
   - RR (Tran thoracic Impedance) ECG div. respiration : approx. 6 to 180 bpm ,accuracy ±1 bpm
6) NIBP oscillometric step deflation , manual /automatic, initial inflation pressure user selectable
7) Sweep , adjustable : 12.5,25 or 50 mm/s
8) Sensitivity (amplitude) of all signals user adjustable
9) Standardizing voltage maker , 1 mV
10) User preset if high/low alarms on all monitored parameters
11) Audio visual alarm in case measurements are outside preset range
12) Silencing feature for audio alarms
13) Trend display (numerical and graphic) from 24 hrs. facility for zooming in up to 1 min. The trends data should not be lost on switching off the monitor.
14) Should have an in-built printer
15) RS 232 serial data output provision(peripheral printer or network), analogue output for ECG
16) Display reports system error, leads and sensor failure and built in battery status.
17) Power requirements : 220V / 50 Hz (with adapter) and internal rechargeable batteries (autonomy at least 2hrs. , automatic recharge)
18) Should be provided with appropriate accessories for wall mounting .
19) Should be European CE/ US FDA approved product.

Supplies with each unit

- 12 reusable NIBP cuffs each for all age groups (neonates, children, adolescents) (No.1 (3.1 – 5.7 cm) No.2 (4.3 – 8cm), No 3(5.8 – 10.9 cm), No 4 (7.1 – 12.1 cm) No. 5 (9.96 – 14.3 cm)
- Reusable SpO2 sensors with cables for Adult (Finger type), Pediatric (Finger type) and neonate (wrap type) – 3 nos each

Schedule no. 17

TECHNICAL SPECIFICATIONS SYRINGE INFUSION PUMPS

1) The syringe pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system.
2) Must Work on commonly available standard 5ml/10ml/20ml/50ml/60 ml Syringes with accuracy of minimum of +/-2% or better, with automatic syringe size recognition.
3) Manufacturer should be ISO and CE certified for quality standards.
4) Flow rate programmable from 0.1 to 1000 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.
5) Bolus rate should be programmable to 40 to 1000 ml/hr or more with infused volume display and one key press bolus. Reminder audio after every 1 ml delivered bolus.
6) Display of Drug directory of more than 50 drugs, customized and adjustable.
7) Key board locking system for patient safety.
8) Keep Vein Open (KVO) must be available at 0.1 ml or set rate
   User should have choice to disable KVO whenever desired.
9) Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg.
10) Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc.
11) Manual pusher with plunger protection guard.
12) Anti bolus system to reduce pressure on sudden release of occlusion.
13) Should have comprehensive ALARM package including: Occlusion limit exceed alarm. Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm and alarm, AC power failure, Drive disengaged.
14) Rechargeable Battery having at least 1 hours backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.
15) Mounting device/ Docking Station for two or four pumps as per requirement so as to enable to power up to 2-4 pumps with one power cord when mounted on IV pole **(optional).**
16) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%
17) Power input to be 220-240VAC, 50Hz.
18) 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.
19) User Manual and service manual in English.
20) Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
21) List of important spare parts and accessories with their part number and costing.

Schedule no. 18

SPECIFICATIONS FOR ELECTRO SURGICAL UNIT (ESU) WITH VESSEL SEALING SYSTEM

1.Description of function

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

2.Operational requirements

2.1 Microprocessor/Microcontroller technology"

3.Technical Specifications

3.1 Integrated touch screen system with 350W output generator for monopolar cut, 120Watt for monopolar coagulation, bipolar cut 150Watt and Bipolar coagulation 120Watt and vessel sealing system for open and laparoscopic surgery
3.2 Compatible with Argon Plasma Coagulator
3.3 Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels. It should have pure cut, blend cut & uro cut (pure & blend), Argon cut – Argon gas supported cutting. Monopolar Coagulation should offer the following modes: Contact Coagulation, Auto stop: Self coagulation with automatic switch off, forced coagulation, Dessication & argon spray for open surgical application..
3.4 Should have bipolar cut (Pure cut & blend cut) and coagulation (macro & micro coagulation, open surgery sealing) in multiple levels with automatic bipolar coagulation.
3.5 Activation by foot switch and hand switch for all the modes.
3.6 Activation of bipolar by foot switch and automatic start/stop system
3.7 Capable of sealing vessels up to 7 mm diameter
3.8 Auto diagnosis on switching on and during working to continuously monitor all parameters
3.9 Automatic stoppage of output in case of malfunction with acoustic and visual signal with display of error code.
3.10 Output powers adjustable automatically or manually from the control panel.
3.11 Programmable memory for output settings
3.12 Should be usable with laparoscopic monopolar and bipolar instruments, for which programmes and accessories must be available
3.13 System for neutral plate safety by continuous monitoring of contact quality and connection
3.14 System for monitoring and control of leakage current
3.15 Frequency Leakage on the patient should be less than 10 micro Amp.

4. System configuration Accessories, spares & consumables

4.1 System as specified
4.2 The accessories should include
(a) trolley,
(b) mains cable with power plug for standard Indian sockets,
(c) foot switches for monopolar & bipolar outputs.
(d) reusable **(5 Nos. each)** and single use **(200 nos each)** neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required.
(e) sterilisable **(10 Nos.)** and disposable **(100 Nos.)** electrode handle with finger switch with cable for electrode handle.,

(f) set of electrodes (long and short) with electrode container with holder,
(g) tip cleaner,
(h) bipolar forceps with cable
(i) Reusable dedicated instruments for laparoscopic Monopolar, bipolar and vessel sealing use (5 nos each).
(j)For open surgery Vessel sealing clamp curved 23 cm (Reusable for open surgery – 2 nos
(k) Bipolar Scissor for open surgery curved 23 cm (Reusable) – 2 nos
(l) cable for connecting to standard mono polar and bipolar laparoscopic instruments,
(m) Laproscopic Vessel Sealing Instrument (Reusable) [the same Instrument should offer Vessel Sealing & cutting) – 1 no

4.3 Complete System and all accessories should be from same manufacturer.
4.4 The codes and rates of all possible individual accessories should be quoted separately with clear mention of period of validity of rates

5. Environmental Factors

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

6. Power Supply

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian power-plug"
6.2 Suitable UPS should be provided for min 30 min backup.

7. Standard & Safety

7.1 Should be USFDA/ European CE approved product. Copy has to be enclosed
7.2 Manufacturer and Supplier should have ISO certification for quality standards.
7.3 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements.
7.4 Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 : latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
7.5 Certified to be compliant with IEC 60601-2-2 Medical Electrical Equipment Part

8. Training

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

9. Documentation

9.1 Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable"
9.2 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.
9.3 Certificate of compliance with standards and approvals stated above
9.4 Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier

9.5 List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
9.6 List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.
9.7 Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of services to be carried out
9.8 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.

Schedule no. 19

E.N.T. OPERATING MICROSCOPE

1. Heavy Mobile floor stand with mechanical brakes and good counter weight balancing system and locking device.
2. All the cables should be inside the stand and microscope arm for protection.
3. Motorized Zoom Magnification system with apochromatic optics
4. Manual magnification changer, 1:6 ratio in 5 steps.(Max. magnification up to 18.5x or more)
5. Field of View 25mm to 150 mm continuously variable.
6. Objective lens for 200mm,300mm and 400mm
7. Tilt able Binocular tube up to 180 degree(workable distance 200-500mm)
8. Stereo co-observer Tube
9. Facility for adjusting speed of the focusing motor to adapt for different magnification.
10. Complete auto balance by single push button.
11. Motorized zoom and focus **control on Pair of handles** and wireless **foot Control**.
12. Microscope Head should be freely mobile to all the directions and can be maneuvered to laryngeal surgery.
13. **Xenon illumination** for day light character with **back-up** illumination of Xenon lamp with power supply preferable inbuilt in sturdy floor stand.
14. Integrated Three chip HD camera
15. Minimum 20” HD video touch screen monitor compatible with camera, mounted on the microscope arm
16. CD/ DVD recording device for documentation.

17. Integrated HD digital video recording facility with appropriate video editing software.
18. Trolley to station recording device etc.
19. One Spare Xenon bulb
20. Microscope should be adaptable to Micromanipulator for LASER
21. Any other accessory which is must for functioning of the equipment like continuous voltage stabilizer etc.
22. Voltage 230, frequency 50-60 Hz
23. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 20
Pure Tone Audiometer

1. Should be advance 2 channel clinical audiometer with High Frequency upto 20KHz.
a. Air , Bone and Speech
b. Free Field ,Speech and Pure Tone
c. 2 Channel Binaural Speech
d. Automatic Threshold
e. Bekesy test
f. Automatic Speech Scoring
g. 2 Channel Master Hearing Aid
h. Tones : Pure, Warble and Pulsed Tones
i. Masking : WN, NB and SN Masking

2. Special Test:
a. SISI Free Field
b. Tone decay
c. ABLB Test
d. MLB
e. MLD
f. Loudness Balancing: 250 Hz, 500 Hz, 2kHz, 4kHz, 6kHz NB noise with direct comparison to standard curves.

3. Tone decay:
a. Number of Channels : Two Independent Oscillators
b. Frequency Range : 125 Hz – 20kHz
c. Intensity Range : 10dB – 120dB (Air Conduction) -10dB – 80dB (Bone Conduction) 5dB and 1 dB Attenuators
d. Frequency Resolution: Multi frequency

4. Others
a. All accessories for all the above units to be included.
b. Facility for the free field audiometry to be included.
c. Software for report, data storage and printing should be included.
d. Regular calibration of equipment.
e. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 21
Impedance Tympanometer

Impedance audiometer with contra ear testing facilities

1. Multifrequency
2. Probe Frequency- 226Hz, 678Hz,800Hz,1000Hz
3. Pressure Range- +200 to – 400 daPa
4. Volume Range - 0.1 ml to 6.0 ml
5. Accuracy - ±5% to ±10 daPa
6. Test Time- < 3 Seconds
7. Reflex Mode
8. Test Frequencies- 500, 1000, 2000, 4000 Hz ± 2%
9. Test Method- Ipsilateral, Contralateral
10. Noise (Band) - WN/HP/LP
11. Intensities IPSI Lateral-70 to 110 dbHz
12. Intensities Contra Lateral- 70 to 120 dbHz (with TDH39)
13. Intensity Setting- Automatic or Manual
14. Eustachian Tube Function - Intact and Perforated mode
15. ETF Pressure Range -+ 300 to – 400 daPa
16. Test - Ipsilateral Reflex Test with AGC, Reflex Decay
17. Test Programme- Reflex Test selectable
18. Memory- Test Result of both ears
19. Probe - Light weight, adjustable, Hand Held , With Built in control light & switch
20. Printer- Silent Thermal Printer , (with paper printer facility)
21. Display-Graphic LCD with adjustable contrast
22. Power Supply- Mains 100-240 Volts, 50/60 Hz 25 VA
23. PC Interface- USB Cable
24. Automatic self calibration
25. Regular calibration of equipment.
26. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 22
Otoacoustic Emission (Screening unit)

1. TEOAE

i. 1.5 to 4 kHz
ii. Sample Rate - 16 kHz
iii. Stimulus Level- ca. 80 dB SPL peak
iv. Window of analysis- 5-13 ms post stimulus

2. DPOAE

i. DP 2 to 5 kHz
ii. Frequency Ratio f2/f1- 1.2
iii. Level Ratio L2/L1- Scissor Paradigm
iv. Measurement Interval- 512 samples
v. Frequencies f2- 1.5, 2, 3, 4, 6, 8, kHz (single & multiple selections possible)
vi. Stimulus Levels L2- 35 to 65 dB HL (in steps of 5dB)

vii. Also battery operated
viii. Multiple test methods
ix. Database for at least 1000 tests
x. Data transfer to PC via USB or wireless
xi. Printing via PC/ Printer(Software should be included)
xii. Stimulus intensity: 40 to 70 dB SPL (DPOAE). 83 dB
xiii. SPL (TEOAE).
xiv. Maximum output (Protection): 90 dB SPL.
xv. Power supply: (4) AA/UM-3/R6 - alkaline (6V total)
xvi. Battery life: Approximately 250-300 tests.
xvii. Display: LCD-display 4 line x 10 character.
xviii. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 23

Brainstem Evoked Response Audiometer (BERA) with ASSR

1. BERA:

i. 2 channels.
ii. Windows based.
iii. Bone Conduction.
iv. Integrated database.
v. Pre-programmed auto tests.
vi. Waveform reproducibility indication.
vii. Split left/right recordings.
viii. Simultaneous recording of condensation rarefaction stimuli.
ix. Normative data indication.
x. Soft attenuator.
xi. Wave editing during testing
xii. Digital filter application (during and after test).
xiii. Add, subtract curves
xiv. Low noise amplifier
xv. Ecoch G recordings with markers
xvi. Middle Latency
xvii. Late Latency (P300, MMN etc.)
xviii. Essential facility for OAE and NCT and should be upgradable to VNG

2. ASSR:

i. PreAmplifier
ii. 2 channels
iii. Gain 80 dB
iv. Frequency Response upto 8000Hz

v. Noise 6.0 nV Hz
vi. CMR Ratio > 115 dB at any frequency between 0.1Hz & 10Hz.
vii. Input Impedance > 10M
viii. Accepted electrode offset > 300mV.
ix. Power from main unit.
x. Impedance Check
xi. Measuring Current 25uA.
xii. Ranges 0.5k – 25k.

3. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 24

Endoscopic Sinus Surgery Set

A. Instruments	Quantity
1. 0 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	02
2. 30 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	02
3. 45 degree, 4mm 18cm wide angle straight forward telescope, autoclavable	01
4. 70 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	01
5. 0 degree, 2.7mm, 18cm straight forward telescope, autoclavable	01
6. 30 degree, 2.7mm, 18cm straight forward telescope, autoclavable	01
7. Compatible handle for above telescopes	02
8. Sickle knife, pointed, 19cm long	02
9. Freer elevator should be double ended, semi sharp and blunt, 20cm long	02
10. Small size oblong shaped Antrum curette, straight, 19cm	01
11. Sinus curette 90deg and 55 deg curved	01 each
12. Antrum curette forward cutting small size, 19cm length	01
13. Double ended maxillary sinus ostium seeker, ball shaped ends diameter 1.2 and 2mm, length 19cm	02
14. Cottle elevator double ended, semi sharp and blunt, graduated, length 20cm	01
15. Conical suction tube should be malleable, with finger grip plate, luer lock,Outer diameter 2.5cm, working length 13cm	01
16. Antrum cannula, Luer-lock, with cut-off hole, short curved, outerdiameter 3mm & 4 mm, length 12.5cm	01 each
17. Bipolar coagulation forceps, insulated, angular, blunt, with integrated suction channel, with cut-off hole, length 19cm, to be supplied with Bipolar High frequency cord	01
18. Bipolar Suction forceps, 15 deg upturned, with suction channel, working length 12.5cm, to be supplied with Bipolar High frequency cord	02
19. Antrum punch for Left & Right side downward and forward cutting, working length 10cm	02 each
20. Nasal cutting forceps, working length 13cm	02
21. Antrum Punch, right and left side backward cutting, working length 10cm	02 each
22. Antrum grasping forceps for maxillary sinus, jaws curved to right, fixed jaw curved 90 deg, opening 120 deg, movable jaw backward, length 10cm	01 each

23. Blakesley nasal forceps, straight with working length 13cm	02
24. Blakesley nasal forceps, Upturned 45deg & 90deg with working length 13cm	01 each
25. Giraffe forceps 65deg upturn, cup jaws diameter 3mm with horizontal & vertical opening, length 12cm	01 each
26. Biopsy & Grasping forceps, vertical opening, malleable sheath end, cupped jaws diameter 4mm, working length 18cm	01
27. Sphenoid Punch, circular cutting circular punch, dia 4.5mm, working length 18cm	01
28. Sphenoid Punch, 65 deg upturned, circular cutting, dia 3.5mm, length 17cm	01
29. Nasal Scissors (Straight,right & left)	01 each
30. Antrum punch(small) Pediatric size , backward cutting	01
31. Biopsy forceps for nasopharynx	02 Nos.
32. Turbinectomy Scissors	02 Nos.
33. Tilley henckel forceps	04Nos
34. Through cut forceps(straight & 45deg) – 18x3mm, 11.5x3.5mm	02Nos each
35. Malleable suction	02 Nos.
36. DCR punch	02 Nos.
37. Frontal sinus seeker(Double ended 22cm- 70deg and 90deg)	01 each
38. OTO endoscope – 2.7mm(0deg and 30deg- 75mm) , 4mm (0deg- 50mm)	01 each

B. XENON LIGHT SOURCE AND LIGHT CABLE

1. High light intensity with 300watt Xenon Lamp(with one extra spare bulb)
2. High colour temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for colour redention.
3. Monitoring of lamp function.
4. Unit should be compatible with Communication Bus system for remote controlled operation of the various features along with other equipment. .
5. Lamp type- Xenon lamp, 300 watt
6. Colour temperature- approx. 6000 K
7. Light outlets - 1
8. Light intensity adjustment continuously adjustable from 0 to 100% either manually or Automatically by the camera video-output signal.

C. FIBER OPTIC LIGHT CABLE

Size 3.5 to 5mm, length 250 -275cm

D. Point A and B should be from same manufacturer and should be European CE / US FDA approved.

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The “Hinges” should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.

5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

Schedule no. 25

Shaver System Cum Micro Drill

A. It should be fully upgradable to one unit- six functions:
   1. Shaver system for surgery of the paranasal sinuses and anterior skull base
   2. INTRA Drill
   3. Sinus shaver
   4. Micro saw
   5. Intranasal Drill
   6. Skeeter Drill(for stapedotomy)

B. Drill System:
   1. Built in microprocessor controlled flow rate irrigation pump.
   2. Integrated irrigation and coolant pump(silicon tubing)
   3. Should be compatible with Micro ear drill handpiece & drill bits (universal)
   4. Maximum Revolution for Shaver mode should be 10,000 rpm.
   5. Maximum revolution for sinus burr mode should be 12,000 rpm
   6. Maximum revolution speed for Drill mode should be 40,000 – 60,000 rpm.
   7. Power supply 230-240 VAC, 50/60 Hz.
   8. Easy to maintain and sterilizable.
   9. Both Autoclavable and Disposable range of blades should be available.
   10. Along with 2 blades each straight and curved(45deg)
   11. 2 pedal foot switch

C. Handpiece clean & oil injection machine(350ml capacity)
   1. Lubricating and cleaning
   2. Voltage 220V AC at 50Hz / 22 V at 1 Hz
   3. Air supply 0.35 to 0.60MPa
   4. Capability – 350ml
   5. Air Displacement – 60 L/min

D. Hand piece Straight / angled (compatible with micromotor drill) 02 each
E. Drill bit Cutting/polishing 0.6/1.0/2.0/3.0/4.0/5.0/6.0/8.0 mm 04 each
F. Saw blades 04
G. Nasal drill bit with and without guard 02 Each

Schedule no. 26

Full HDTV Endoscopic video camera with Recording

1. The system should be truly Digital Full HDTV Endoscopic video camera. The system should qualify all the essential criteria for full HDTV system**:**
   a. Maximum Resolution of 1920 X 1080 pixels: Progressive scan.
   b. Consistent use of 16: 9 format for Input & Output to guarantee genuine HDTV.
   c. HD CCD sensing chip should optimizes image quality & Digital Source Sampling for maximizing hi-fidelity image transmission.
   d. Optimizes to Any Size: The system should have integrated Optical Zoom (f= 14- 30 mm, 2X) to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used.
   e. The system should automatically optimize all settings. The system should be ready- to- use as soon as it is connected to the camera control unit.
   f. The system should have the facility to use a single camera control unit for all camera heads (either single chip or three chip) thus minimizing preparation & maximizes interspeciality Standardization.
   g. The system should be Menu driven, thus allowing the surgeon to program the camera head functions as per the surgical needs& requirement.
   h. The system should be capable of controlling the light control function from the camera head buttons without any additional requirement of hardware & software.
   i. Automated digital image enhancer
   j. Should have USB/ Image capture interface for direct storage of still/ video sequences

2. Technical Specifications:
   a. Image sensor: 3X1/3'' CCD-Chip.
   b. Pixels 1920 x 1080
   c. AGC: Microprocessor controlled
   d. Lens: Integrated Parfocal Zoom Lens, f=14mm-30mm.

3. HD TV widescreen Monitor -The monitor should have : 01 each

   a. HDTV display in original 16: 10 HDTV format.
   b. 1080 p/ 50 & 1080 p/60 displays possible.
   c. HD LCD crystal display.
   d. Max. Resolution of 1920X1200 pixels.
   e. Screen diagonal – minimum 23".
   f. Desk top with pedestal.
   g. Should have USB image capture module interface for direct transfer of still and video images.
   h. Trolley for whole unit

4. Point 1, 2 & 3 should be from same manufacturer and should be European CE / US FDA approved.

Schedule no. 27

Ear Surgery Instruments

1)	Chisel, 2mm. Jenkins. 14cm/5.5".	02 Nos.
2)	Chisel, 4mm. Jenkins. 14cm/5.5".	02 Nos.
3)	Chisel, 8mm. Jenkins. 14cm/5.5".	02 Nos.
4)	Gouge, 2mm. Jenkins. 14cm/5.5"	02 Nos.
5)	Gouge, 4mm. Jenkins. 14cm/5.5".	02 Nos.
6)	Gouge, 8mm. Jenkins. 14cm/5.5".	02 Nos.
7)	Mallet. OD 20mm. 100gms. 16.5cm/6.5".	02 Nos.
8)	Nibbler/Rongeur, S/A. Lempert. 3mm-Jaw.Straight 19cm/7.5"	03 Nos.
9)	Punch/Rongeur. Kerrison. 2mm-Up Bite. 9cm/3.25".	02 Nos.
10)	Punch/Rongeur, Kerrison. 4mm Up Bite. 9cm/3.25".	02 Nos.
11)	Curette, No:4/0. Lempert. Hollow handle. 21cm/8.25".	04 Sets
12)	Curette, No:2/0. Lempert. Hollow handle. 21cm/8.25".	04 Sets
13)	Curette, No:1.Lempert. Hollow handle. 21cm/8.25".	04 Sets
14)	Seeker, Dundas-Grant. 15cm/6".	03 Nos.
15)	Raspatory/Rugine. Lempert. 5mm. 16cm/6.5".	04 Nos.
16)	Elevator, Farabeuf. 8mm. Straight 15cm/6".	04 Nos.
17)	Elevator, Farabeuf. 8mm. Curved 15cm/6".	04 Nos.
18)	Retractor, Mollison. 2x2 Prong-Sp. Curved13cm/5.25".	03 Nos.
19)	Retractor, Mollison. 4x4 Prong-Sp. Curved16cm/6.25".	06 Nos.
20)	Retractor, Plester-Jansen. Right-Solid Blade 14cm/5.5"	03 Nos.
21)	Retractor, Plester-Jansen. Left-Solid Blade 14cm/5.5"	03 Nos.
22)	Suction Tube. Frazier/Lempert. Set of 4. 1mm St-4mm. Length 19cm/7.5".	06 Nos.
23)	Suction/Irrigation Tube. Fisch/House. 4.0mm x 2.5mm/12 x 8Ch. Length 16cm/6.5"	03 Nos.
24)	Ear Specula. Hartmann. Set of 3. í3/4/5mm. Black. 3.5cm.	06 Nos.
25)	Ear Specula. Heath. Set of 4. í4/5/6/7mm 5cm	03 Nos.
26)	Eustachian Catheter, Kramer/Hartmann. í2mm/6 Tip. 14cm/5.5".	03 Nos.
27)	Jobson Horne Probe, D/E. Serrated. Tip & smooth Straight Ring. 14cm/5.5".	06 Nos.
28)	Hook, Cerumen/Wax. K E M. 15cm/6".	03 Nos.
29)	Loop, wire. 3mm. Billeau. 16cm/6.5".	03 Nos.
30)	Curette, Buck. 2mm. Straight Sharp.15cm/6".	03 Nos.
31)	Curette, Buck. 3.5mm. Straight Sharp.15cm/6".	03 Nos.
32)	Myringotome. Sexton. with protective sleeve.18cm/7".	03 Nos.
33)	Myringotome, Upward Cutting. Trautmann Bynt. 18cm/7".	03 Nos.
34)	Forceps, Aural, 1x2 Tth., Wilde. 12cm/5"	06 Nos.
35)	Forceps, Aural, Serrated tips. Wilde. 12cm/5"	06 Nos.
36)	Forceps, Hartmann. Fine. 55mm. Length 12.5cm/5".	06 Nos.
37)	Forceps, Tilley. Fine. 55mm. Length 12.5cm/5".	06 Nos.
38)	Forceps, Granulation. Heath. 8cm/3.25" .	06 Nos.
39)	Forceps, Crocodile, Fine 1x2 Jaws, Hartmann. 8cm/3.25"	12 Nos..
40)	Forceps, Crocodile. 2mm. Cup Jaws.Hartmann. 8cm/3.25".	06 Nos.
41)	Forceps, Ear. Crocodile. Fenestrated Cup Jaw. Henckel/Struempel. 8cm/3.25".	06 Nos.
42)	Forceps, Crocodile, Grunwald. Punch Action Jaw. Hartmann. 8cm/3.25".	06 Nos.
43)	Snare, Aural, Ballance/Krause. 15cm/6".	01 No.
44)	Snare, Wire. Aural. SS. 36 S.W.G.Pkt. of 12.	01 No.
45)	Retractor, Plester. 2 Prong X Right-Solid blade.11cm/4.5"	03Nos.
46)	Retractor, Plester. 2 Prong X Left-Solid blade.11cm/4.5".	03Nos.
47)	Retractor, Endaural. Lempert. With 2Pair Blades and 1 Temporal Muscle Blade9cm/3.5"	-03Nos.

48) Speculum, Endaural. Lempert/Storz. 14cm/5.5"	03Nos.
49) Holmgren Ear Speculum. S/R. Black. 6mm.	03Nos.
50) Holmgren Ear Speculum. S/R. Black. 7mm.	03Nos.
51) Rosen Slotted Speculum. Round. 4mm.Black. 38mm.	03Nos.
52) Rosen Slotted Speculum. Round. 5mm.Black. 38mm.	03Nos.
53) Rosen Slotted Speculum. Round. 6mm.Black. 38mm.	03Nos.
54) Rosen Slotted Speculum. Round. 7mm.Black. 38mm.	03Nos.
55) Zoellner Raspatory. Curved Rt. 7.5cm.	2set
56) Zoellner Raspatory. Curved Lt. 7.5cm.	2set
57) Zoellner Arrowhead. Curved Rt. 7.5cm.	2set
58) Zoellner Arrowhead. Curved Lt. 7.5cm.	2set
59) Zoellner Sickle Knife. Up cutting. 7.5cm.	2set
60) Zoellner Sickle Knife. Down cutting. 7.5cm.	2set
61) Zoellner Raspatory/Hook. Up. 7.5cm.	2set
62) Zoellner Raspatory/Hook. Down 7.5cm.	2set
63) Zoellner Pick. 0.5mm. Up. 7.5cm.	2set
64) Zoellner Pick. 0.5mm. Down 7.5cm.	2set
65) Zoellner Pick. Straight 7.5cm.	2set
66) Shea Incising Knife. Matted 17cm.	2 each
67) Shea Curette. Matted 17cm.	2 each
68) Shea Elevator. Lt. Matted 17cm.	2 each
69) Shea Elevator. Rt. Matted 17cm.	2 each
70) Shea Pick. Sharp. Curved Matted 17cm.	2 each
71) Shea Fenestra Hook. 25ø Angle. Matted 17cm.	2 each
72) Shea Fenestra Hook. 45ø Angle. Matted 17cm.	2 each
73) Shea Fenestra Hook. 90ø Angle. Matted 17cm.	2 each
74) Shea Fenestra Hook. 90ø Angle. Short. Matted17cm.	2 each
75) Shea Pick. 90ø Angle. Blunt. Matted 17cm.	2 each
76) Shea Anterior Crurotomy Knife. Matted 17cm.	2 each
77) Rosen Knife. Matted 16cm.	03 Nos.
78) Rosen Elevator. 3mm. Bayonet Shaft. Matted 20cm.	03 Nos.
79) Rosen Elevator, for drum. Matted 16cm.	03 Nos.
80) Rosen Mobiliser. 1.5mm. 2nd Matted 16cm.	03 Nos.
81) Rosen Curette. 3/0. Oval. Matted 16cm.	03 Nos.
82) Rosen Curette. 2/0. Oval. Matted 16cm.	03 Nos.
83) Plester Flap Knife. Oval. Vertical. 2mmWx4mmL. Matted 16cm.	03 Nos.
84) Plester Flap Knife. Oval. Vertical. 2.5mmWx3.5mmL. Matted 16cm.	03 Nos.
85) Plester Flap Knife. Oval. Vertical. 2.5mmWx4.5mmL. Matted 16cm.	03 Nos.
86) Plester Sickle Knife. Double Edge. Slightly. Curved Matted 16cm.	03 Nos.
87) Sickle Knife. Kley. Straight Matted 16cm.	03 Nos.
88) Sickle Knife. 6mm. Curved Matted 16cm .	03 Nos.
89) Sickle Knife. 8mm. Curved Matted 16cm.	03 Nos.
90) Round Knife. Straight 1mm. Matted 16cm.	03 Nos.
91) Round Knife. Straight 2mm. Matted 16cm.	03 Nos.
92) Round Knife. 2mm. 45ø. Matted 16cm.	03 Nos.
93) Round Knife. 3mm. 45ø. Matted 16cm.	03 Nos.
94) Round Knife. 1mm. 90ø. Matted 16cm.	03 Nos.
95) Round Knife. 2mm. 90ø. Matted 16cm.	03 Nos.

96) Round Knife with Serrated Edges. 3mm. Matted16cm 03 Nos.
97) Revolving Knife. 3mm-Radial. Schuknecht Matted 16cm. 03 Nos.
98) Revolving Knife. 3mm-Axial. Schuknecht Matted 16cm. 03 Nos.
99) House Elevator. 1mm. Matted 16cm. 03 Nos.
100) Straight, Pick Matted 16.5cm. 06 Nos.
101) Pick, Short-Curved Matted 16.5cm. 06 Nos.
102) Pick, Long-Curved Matted 16.5cm. 06 Nos.
103) Pick, 0.3mm. 45ø. Matted 16cm. 06 Nos.
104) Pick, 0.4mm. 90ø. Matted 16cm. 06 Nos.
105) Pick, 0.6mm. 90ø. Matted 16cm. 06 Nos.
106) Fisch Hook. 0.2mm. Footplate. Matted 16cm 06 Nos.
107) Ball Probe, Goldman. 0.5mm. 45ø. Matted16cm. 03 Nos.
108) Ball Probe, Goldman. 0.8mm. 45ø. Matted16cm. 03 Nos.
109) Ball Probe. 0.8mm. 90ø. Matted 16cm. 03 Nos.
110) Larkin/Fisch Hand Trephine. 0.8mm. Matted 02 Nos.
111) Larkin/Fisch Hand Perforator. 0.6mm. Matted 7cm. 02 Nos.
112) House Measuring Rods. Set of 4. 02 sets
113) Piston Depth Gauge. Shea. Matted 17.5cm. Piston Depth Gauge. Fisch. Matted16.5cm. 02 Nos.
114) Teflon Piston Cutting Jig. 02 Nos.
115) Curette, House. Straight 1mm/1.5mm. Length15cm. 03 Nos.
116) Curette, House. Straight 2mm/2.5mm. Length15cm. 03 Nos.
117) Curette, House. Ald. 1mm/1.5mm. Length15cm. 03 Nos.
118) Forceps, Bone Nibbling. Wilson. Down Cutting. 15cm. 03 Nos.
119) Forceps, Ossicle/Incus Holding. Derlacki.12cm 06 Nos
120) Forceps, Piston Holding. 6mm. Jaw. Matted 8cm. 02 Nos.
121) Forceps, Crocodile. Serratedated .6mm/3.5mm. JawsStraight Matted 8cm. 03 Nos.
122) Forceps, Crocodile. Serratedated .8mm/4mm. Jaws Straight. Matted 8cm. 03 Nos.
123) Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Rt.Matted 8cm. 03 Nos.
124) Forceps, Crocodile. Serratedated .8mm/4mm. Jaws.Lt. Matted 8cm. 03 Nos.
125) Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Up. Matted 8cm. 03 Nos.
126) Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Down Matted 8cm. 03 Nos.
127) Scissors, Micro Ear. Straight 4mm. Blades Matted 8cm. 06 Nos
128) Scissors, Micro Ear. Curved Rt. 4mm. Blades Matted 8cm. 06 Nos
129) Scissors, Micro Ear. Curved Lt. 4mm. Blades Matted 8cm. 06 Nos
130) Scissors, Micro Ear. Up. 4mm. Blades Matted 8cm. 02 Nos
131) Malleus Nipper, House-Dieter. Upward Matted 8cm. 02 Nos
132) Malleus Nipper. House-Dieter. Downward Matted 8cm. 02 Nos
133) Malleus Nipper. House-Dieter. Right Matted 8cm. 02 Nos
134) Malleus Nipper. House-Dieter. Left Matted 8cm 02 Nos
135) Suction/Irrigation Tube. Fisch/House. 2.5mm x 2.0mm/ 8 x 6Ch. Length 16cm/6.5". 06 Nos
136) Suction Tube, Zoellner. 2mm. Length 15cm/6". 10 Nos
137) Suction Tube, Wullstein. 2mm. Length 14cm/5.5" 10 Nos
138) Adaptor, House/Fisch with cut-off. Luer.5.5cm. 03 Nos
139) Adaptor, Wullstein with cut-off hole. Luer cone. 10cm. 03 Nos
140) Cannula, Verhoeven. .3mm/26G. Luer. 7.5cm. 06 each
141) Cannula, Verhoeven. .4mm/25G. Luer. 7.5cm. 06 each
142) Cannula, Verhoeven. .7mm/22G. Luer. 7.5cm. 06 each

143)	Cannula, Verhoeven. 1.0mm/19G Luer. 7.5cm.	06 each
144)	Cannula, Verhoeven. 2mm/14G. Luer. 7.5cm.	06 each
145)	Cannula, Verhoeven. 2.6mm/12G. Luer. 7.5cm.	06 each
146)	Facia graft press	01 No.
147)	Micro instrument tray- SS with Silicon sheet	02 Nos.

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

Septo- Rhinoplasty Set

1) Retractor, Nasal. Aufricht. 4cm. Blade.16.5cm/6.5.	2
2) Retractor, Nasal. Aufricht. 6cm. Blade.16.5cm/6.5".	2
3) Retractor, Kilner. Alae. 2 Prongs. Sharp. 10mm wide. 10cm/4".	2
4) Retractor, Kilner. Alae. 2 Prongs. Sharp. 13mm wide. 10cm/4".	2
5) Retractor, Fomon/Joseph. 2 Prongs-Ball tipped. 10mmW. Length 16cm/6.25".	2
6) Retractor. Cottle. 2 Prongs-Sharp. 12mmW. Length 14cm/5.5".	2
7) Retractor. Cottle. 2 Prongs-Lt. Sharp.12mmW. Length 14cm/5.5".	2
8) Retractor. Cottle. 4 Prongs. Blunt.10mmW. Length 14cm/5.5".	2
9) Retractor, Alar. Cottle.13mmWx22mmD.15cm/6".	2
10) Hook, Tenaculum. Shallow Curved , 15cm/6".	2
11) Hook, Tenaculum. Deep Curved , 15cm/6".	2
12) Hook. Skin. 2mm. Gillies. 16cm/6.25".	6
13) Hook. Skin. 4mm. Gillies. 16cm/6.25".	6
14) Hook. Skin. 2mm. Mcindoe. 19cm/7.25".	2
15) Hook. Skin. 3mm. Mcindoe. 19cm/7.25".	2
16) Hook. Skin. 4mm. Mcindoe. 19cm/7.25".	2
17) Knife, Joseph. Button end. Straight 15cm/6"	2
18) Skin Grafting Handle. Rt. Hand. Watson-modification; with 20 Blades.	2
19) Spare Blades for Skin Graft Knives.Sterile.	2
20) Elevator, Farabeuf. 8mm. Curved 15cm/6".	2
21) Elevator, Septum. Masing. D/E. 22cm/8.75	2
22) Forceps , Adson. 1mm. Cross.Serratedated . 12cm/4.75"	4 each
23) Forceps , Adson. 1mm. 1x2 Tth. 12cm/4.75"	4 each
24) Forceps , Adson. 1.5mm. Serratedated 12cm/4.75"	4 each
25) Forceps , Adson. 1.5mm. 1x2 Tth. 12cm/4.75"	4 each
26) Fine Operating/Iris Scissors, SS. Straight 9cm/3	4 each
27) Fine Operating/Iris Scissors, SS. Curved 9cm/3.5".	4 each
28) Joseph Scissors, SS. Straight 14cm/5.5".	2 each
29) Joseph Scissors, SS. Curved 14cm/5.5".	2 each
30) Metzenbaum Scissors, Straight 10cm/4".	4 each
31) Metzenbaum Scissors, Curved 10cm/4".	4 each
32) Metzenbaum Scissors, Straight 12.5cm/5".	4 each
33) Metzenbaum Scissors, Curved 12.5cm/5".	4 each
34) Scissors, Reynolds. . 13cm/5.25".	4 each
35) Scissors, Reynolds. . 15cm/6".	6 each
36) Jameson Scissors. . 14cm/5.5".	6 each
37) Chisel. 6mm. Cottle. Graduated. 18cm/7.25".	2 each
38) Chisel. 7mm. Cottle. Graduated. 18cm/7.25".	4 each
39) Chisel. 9mm. Cottle. Graduated. 18cm/7.25".	2 each
40) Chisel. 12mm. Cottle. Graduated. 18cm/7.25".	2 each
41) Chisel. Fishtail. 16mm. Cottle. 18cm/7.25".	2 each
42) Osteotome. Walter. 2mm. 19cm/7.25".	2 each
43) Osteotome. Walter. 3mm. 19cm/7.25".	2 each
44) Osteotome. Walter. 4mm. 19cm/7.25".	2 each
45) Osteotome. Walter. 7mm. 19cm/7.25".	2 each
46) Osteotome. Walter. 9mm. 19cm/7.25".	2 each
47) Osteotome. Walter. 12mm. 19cm/.25".	2 each
48) Chisel, Nasal. McIndoe. 11mm. 16cm/5.5".	2 each
49) Chisel, Nasal. McIndoe. 13mm. 16cm/5.5".v	2 each
50) Chisel, Nasal. Silver/Masing. Straight18cm/7".	2 each
51) Chisel, Nasal. Silver/Masing. Cvd.Rt. 18cm/7".	2 each
52) Chisel, Nasal. Silver/Masing. Cvd.Lt. 18cm/7".	2 each

53) Walsham forceps(Rt & Lt)	2 each
54) Ash forceps	2
55) Ballenger swivel	4
56) Kerrison's rongeur (Small & large)	4 each
57) Luc's forceps –small	4
58)Nasal Scissors (straight & curved)	4 each
59) Nasal gouge	4
60) Mallet -100g	2
61) Bone Nibbler (single action & double action)	4 each

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

Tonsillectomy & Adenoidectomy Set

1) Mouth Gag, Frame-Davis Boyle; with Fixed Teeth Plate. Complete with 3 Tongue Blades. Child.	2
2) Mouth Gag, Frame-Davis Boyle; with Fixed Teeth Plate. Complete with 5 Tongue Blades. Adult.	2
3) Mouth Gag, Frame-Davis Meyer; with Sliding Teeth Plate. Complete with 5 Tongue Blades. Adult.	2
4) Mouth Gag, Frame-Davis Boyle; with Fixed Upper Teeth Plate. Complete with 5 slottedDoughty blades. Adult.	2
5) Draffin Bipod, with 4 Rings. 48cm/19".	2
6) Negus Jack/Chest Support with rack action.	2
7) Forceps, Tonsil holding. Denis Browne. Small. 18cm/7".	2
8) Forceps, Tonsil Holding. Denis Browne. Large. 20cm/8".	2
9) Tonsil Dissector & Pillar Retractor. Beavis. 20cm/8".	2
10) Tonsil Dissector 9mmW & Pillar Retractor. Hurd. 20cm/8".	2
11) Remington Hobb Diathermy Forceps. Serratedated. Straight 25cm/10".	2
12) Forceps, Tonsil Artery. Birkett/Schnidt. 2nd Curved. 19cm/7.5".	2
13) Forceps, Tonsil Artery. Negus. 1 Curved. 19cm/7.5".	2
14) Forceps, Tonsil Artery. Negus. 2 Curved. 19cm/7.5".	2
15) Forceps, Tonsil Artery. Wilson. D Curved. 19cm/7".	2
16) Snare, Tonsil. Eves. Sliding Action. 28cm/11".	2
17) Snare Wire. Tonsil. 24 SWG. Packet oí 12.	2
18) Needle, Suturing. Tonsil. Irwin Moore. Curved Rt. 20cm/8".	2
19) Needle, Suturing. Tonsil. Irwin Moore. Curved Lt. 20cm/8".	2
20) Pusher/Knot tier. Negus. 20cm/8". Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 8mm, 24cm/9.25".	2
21) Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 10mm, 24cm/9.25".	2
22) Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 12mm, 24cm/9.25".	2
23) Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 14mm, 24cm/9.25".	2
24) Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 16mm, 24cm/9.25".	2
25) Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 18mm, 24cm/9.25".	2
26) Forceps, Peritonsillar Abcess. St. Clair Thomson/Quincy.	2
27) Cannula, Suction. Yankauer. CP. 27cm	2
28) Tongue Depressor. Lack. Set of 3.	2
29) Tongue Depressor. Flat. 12.5cm./5".	2
30) Tongue Depressor. Flat. Dcv. 18cm/7".	2
31) Forceps , Swab Holding. Krause. 28cm/11".	2
32) Negus Jack/Chest Support with rack action.	2
33) Uvula Retractor	1
34) Bayonett forceps	2

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

Tracheostomy set (4 sets required)

Each sets includes -

1. Mosquito artery forceps, Curved	4
2. Mosquito artery forceps, Straight	4
3. Medium sized artery forceps straight	4
4. Medium sized artery forceps curved	4
5. Langenback's retractor, small	4
6. Langenback's retractor, Large	2
7. 15 no. Blade	20
8. Forceps, Tracheal Dilating. Child. 12cm/4.75".	2
9. Tracheostomy Tube, Chevalier Jackson.Silver Plated. 20 Fr.	2
10. Tracheostomy Tube, Chevalier Jackson.Silver Plated. 32 Fg.	2
11. Tracheostomy Tube, Chevalier Jackson.Silver Plated. 34 Fg.	2
12. Tracheostomy Tube, Fuller. 18Fg.	2
13. Retractor, Single hook. Sharp. 16cm/6.25". Also for Tracheostomy.	2
14. Retractor, Single hook. Blunt. 16cm/6.25". Also for Tracheostomy.	2
15. Retractor, Double hook. Sharp. 16cm/6.25".Also for Tracheostomy.	2
16. Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy.	2
17. Needle Holder	2
18. Tissue holding forceps (Plain and tooth)	2 Each

19. BP Handle	2
20. Sponge Holding forceps	2
21. Cricoid Hook(Single prong and Double prong)	2 Each

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS:-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

INSTRUMENTS FOR MICROLARYNGEAL SURGERY (MLS)

S.NO:	INSTRUMENT	QUANTITY
1	Operating laryngoscope Adult size-18cm- ***Large***	2
2	Operating laryngoscope Adult size-18cm-**Medium**	2
3	Anterior commissure scope **Adult size**-*22cm*	1
4	Crico –Pharyngoscope	1
5	Laryngoscope – Pediatric	1
6	Laryngoscope holder and chest support for use with above laryngoscopes ***Adult size*** (ring 9.5 cm, rod 34 cm)	2
7	Laryngoscope holder and chest support **Child size** (ring 9.5 cm. Rod 24 cm)	1
8	Fiber optic light carrier to fit in operating laryngoscopes *Adult size*	2
9	Fiber optic light carrier to fit in operating laryngoscopes *Child size*	2
10	Straight forward wide angle telescope-4mm	1

	30cm length- 0º angle, autoclavable with attached handle	
11	Fiber optic light cable, fully autoclavable 4.9mm-180cm with adapters for use with light source and above scopes	2
12	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, ***straight***	2
13	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, ***angular upwards***	2
14	Laryngeal cutting forceps-23 cm 2mm round cupped jaws***, bent to right***	2
15	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, ***bent to left***	2
16	Laryngeal artery forceps with rachet-23 cm Serrated, straight	1
17	Laryngeal alligator forceps-23 cm Serrated –***straight***	2
18	Laryngeal alligator forceps-23 cm Serrated -***bent to right***	1
19	Laryngeal alligator forceps-23 cm Serrated -***bent to left***	1
20	Laryngeal scissors-23 cm Straight	3
21	Laryngeal scissors-23 cm Angular 45º up	2
22	Laryngeal scissors-23 cm Bent to right	2
23	Laryngeal scissors-23 cm Bent to left	2
24	laryngeal scissors-23 cm Straight, horizontal cutting	2
25	Laryngeal forceps-23 cm Round cupped jaws 5 mm, straight, double action	2
26	Laryngeal grasping forceps for arytenoids-23 cm	1
27	Laryngeal biopsy forceps-23 cm Oval cup shaped jaws	2
28	Laryngeal needle holder with ratchet	1
29	Atraumatic vocal cord retractor-23 cm Self retaining with rachet	1
30	Arnold vocal cord holding forceps-23 cm Triangular jaws, for right side	1
31	Arnold vocal cord holding forceps-23 cm Triangular jaws, for left side	1
32	Laryngeal knife-23cm Straight cutting	3
33	Laryngeal knife-23cm Sickle shaped, curved	2
34	Laryngeal knife-23cm Round vertical cutting	2
35	Laryngeal hook-23 cm Blunt	1
36	Laryngeal hook-23 cm Sharp	1
37	Laryngeal needle-23 cm Curved to right	2
38	Laryngeal needle-23 cm Curved to left	2
39	Laryngeal elevator with suction channel-23 cm	1

40	Laryngeal knot tier-23 cm	1
41	Laryngeal hook, blunt with probe end	2
42	Instrument handle For use with item No 30to 38 mentioned above	1
43	Laryngeal suction tube (micro laryngeal) –25 cm Diameter 2 mm	3
44	Laryngeal suction tube (micro Laryngeal) –25 cm Diameter 3mm	3
45	Laryngeal insulated canula-25 cm 3 mm O.D. for suction and coagulation	2
46	Laryngeal cotton wool carrier-25 cm Straight, serrated	2
47	Bipolar electrode –3 mm, length 23 cm With removable suction tube	1
48	Cable for bipolar forceps-5 m long	1
49	Injection Needle, Leus lock, straight	2
50	Teeth protector one metallic and one silicon (autoclavable)	1 each
51	Laryngeal Biopsy forceps 3x4mm, 20-25cm	2
52	FB forceps	2
53	All accessories should be from the same manufacturer and should be European CE/ US FDA approved	

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

General Instruments for ENT (Head & Neck)

1. BP Handle	2 Nos.
2. Skin hooks(single and Double)	4 Nos. each
3. Langenbeck right angle retractor(Short & Long Blade)	2 Nos. each
4. Allis tissue holding forceps	1 No.
5. Adson tissue forceps	4 Nos.
6. Artery forceps	
i. Small (Curved and straight)	6 Nos. each
ii. Medium (Curved and straight)	6 Nos. each
iii. Large (Curved and straight)	4 Nos. each
7. Babcock tissue forceps	6 Nos.
8. Tissue holding forceps	
i. Small	4 Nos.
ii. Medium	4 Nos.
iii. Large	4 Nos.
9. Lahey's tissue forceps	2 Nos.
10. Vessel clamps(Bull Dog clamp)	4 Nos.
11. Joll's retractor	2 Nos.
12. Dingman's retractor	2 Nos.
13. Needle holder (Variable size)	4 Nos.
14. Sponge holding forceps	2 Nos.
15. Gigli saw holder	2 Nos. Set
16. Periosteum elevator	2 Nos.
17. Dural retractor	4 Nos.
18. Spoon curette	
i. Medium	2 Nos.
ii. Large	2 Nos.
19. Tissue cutting scissors(Small, Medium & large)	3 Nos. each
20. Suture cutting scissors(Small, Medium & large)	3 Nos. each
21. Doyen mouth gag	2Nos.
22. Heister jaw opener	2Nos.
23. Ferguson Mouth gag	2Nos.

Note for Instruments sets

TITANIUM INSTRUMENTS :

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4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

Schedule no. 28

LED Head lights

1. Integrated battery/battery light source that allows more freedom of movement.
2. No separate light source required
3. No separate light cable required
4. No mains supply required
5. Low energy consumption
6. No need to change the lamp (Atleast50,000 hours of service life)
7. Available with rechargeable battery option
8. Yellow/ white light
9. Luminosity adjustable from 10 to 100 mm at a working distance of 40 cm
10. Soft flexible headband
11. Ergonomic fit
12. Easy vertical and horizontal adjustment to the shape of head
13. Extension cable for attaching the rechargable battery and battery box to the clothing
14. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 29

Xenon head light with Micro Camera

A. Head light with following features

1. Light weight head band with pads.
2. Adjustable spot light 15mm to 100mm
3. Cable of thicker diameter (3mm or Above), minimum 2 meter in length

B. Light weight Micro Camera with following Features

1. Good depth of field, automatically adjustable
2. Resolution vertical around 450 lines and vertical around 350 lines
3. Effective pixel around 760 (Horizontal) and 500 (vertical)
4. Shutter speed 1/60 to 1/10,000 seconds
5. Sensitivity 1 lux

C. Matching video Monitor for Camera

D. Xenon light fountain 300 watt bulb

E. Stand for light fountain

F. CD Documentation system Recording Time of 90minutes on CD and RWCD. VCD, DVD and PC compatible. Connection to connect to PC and Camera System. Remote control to operate. Software for Operation, Editing, and still image Extraction. Facility to record voice. Recording system should be of PAL System

G. Any other accessory essential for functioning of Equipment

All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 30
Bronchoscopy Set

A. ADULT

1.	Straight Forward Telescope 0°, diameter 4.5 mm, length 50 cm, autoclavable. Fiber optic light transmission incorporated,	01
2.	Bronchoscope Tube Universal, without distal fiber optic light carrier for use with proximally insertable prismatic light deflectorand plugs length 43 cm, size 8.5	01
3.	Bronchoscope Tube Universal, without distal fiber optic light carrier, for use with proximally insertable prismatic light deflector and plugs length 43 cm, size 7.5	01
4.	Bronchoscope Tube Universal, without distal fiber light carrier, and plugs length 43 cm, size 6.5	01
5.	Prismatic Light Deflector, autoclavable, with connection fiber optic light cable	01
6.	Glass Window Plug	01
7.	Rubber Telescope Guide	01
8.	Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable, for use with Full Lumen Tracheoscopes and Bronchoscopes	01
9.	Injection Cannula, for positive pressure assisted ventilation system, O.D. 3.5 mm for use with bronchoscopes and tracheoscopes with LUER-lock	01
10.	Instrument Guide, for suction catheter	01
11.	Adaptor from bronchoscope to respirator	01
12.	Optical Bronchoscopic Forceps, circular cup, alligator for hard foreign bodies	01
13.	Optical Bronchoscopic Forceps, for peanut and soft foreign bodies With spring- action handle	01
14.	Optical Bronchoscopic Forceps, round cupped jaws for Biopsy, cup diameter 3.3mm	01
15.	Optical Bronchoscopic Forceps, Universal for biopsy, for removing foreign bodies and denatured tissue	01
16.	Rigid Suction Tube, diameter 4mm, working length 50 cm	02
17.	Rigid Suction Tube, diameter 2.5mm, working length 50 cm	02

B. PAEDIATRIC & NEONATE

1.	Bronchoscope, length 30 cm, size 6	01 each
2.	Bronchoscope, length 30 cm, size 5	01 each
3.	Bronchoscope, length 30 cm, size 4.5	01 each
4.	Bronchoscope, length 30 cm, size 4	01 each
5.	Bronchoscope, length 30 cm, size 3.5	01 each
6.	Bronchoscope, length 26 cm, size 4	01 each
7.	Bronchoscope, length 26 cm, size 3.5	01 each
8.	Bronchoscope, length 18.5 cm, size 3.5	01 each
9.	2Bronchoscope, length 18.5 cm, size 2.5	01 each
10.	Compatible Telescopes for above mentionedBronchoscope tubes, Straight Forward- scope 0°, auto-clavable. Fiber optic light transmission incorporated	01 each

11. Compatible Optical Alligator Forceps for Pediatric Broncho- Esophagoscopes, for use with telescope forced controlled handle for removal of hard foreign bodies 01
12. Compatible Optical Forceps for Pediatric Broncho-Esophagoscoes, with bean jaes, for use with telescope forced controlled handle for removal of peanuts and soft foreign bodies. 01 each
13. Compatible Optical Forceps, for use with telescope for biopsy. 01 each
14. Compatible Optical Pediatric Scissors, for use with telescope and Broncho-Esophagoscopes 01
15. Compatible Optical Forceps for use with telescope Universal, biopsy and grasping. 01
16. Rubber Telescope Guide for use with Telescopes or optical forceps 01
17. Prismatic Light Deflector, Autoclavable, with Connection to fiber light cable 01
18. Glass window Plug 01
19. Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, moveable 01
20. Adaptor from bronchoscope to respirator 01
21. Instrument guide, for suction catheter 01
22. Injection Cannula for possitive pressure assisted ventilation system,O.D. 3.5 mm and 2.7mm with LUER-lock 01 each
23. Compatible Suction tube, straight, with rubber tip, diameter 2mm
24. Working length 35cm 01
25. Cotton Applicator, working length 35cm, 01
26. Sponge Holder, spring handle, working length 35cm 01

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The “Hinges” should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The “Hinges” should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

Schedule no. 31
Esophagoscope

S.N	Name with specification	Quantity
1	Universal Oesophagoscope with Distal or Proximal illumination Adult 250mm length 12x8 mm diameter	1
2	Universal Oesophagoscope with Distal or Proximal illumination Adult 300mm length 16x12 mm diameter	1
3	Universal Oesophagoscope with Distal or Proximal illumination Adult 500mm length 12x8 mm diameter	1
4	Illumination system, cap, magnifier and telescope sealing cap for adult scopes	One set
5	Universal Oesophagoscope with Distal or Proximal illumination Child 270mm length 5.5 mm diameter	1
6	Illumination system, cap, magnifier and telescope sealing cap for child scope	One set
7	Optical forceps for Oesophagoscope Alligator Foreign body to fit in 300 mm Oesophagoscope	1
8	Optical forceps for Oesophagoscope biopsy forcep to fit in 300 mm Oesophagoscope	1
9	Telescope 0 degree wide angle to fit in above optical Biopsy forceps	1
10	Jackson esophageal forcep standard shaft, deep serrated upper moving jaw, 400mm length	2
11	Foreign body forcep for cutting of denture hooks with good cutting power 450mm length	2
12	Foreign body forcep alligator jaw with deep serration 350mm length 2.0mm shaft diameter	2
13	Peanut grasping jaw 350mm length 2.0mm shaft diameter	2
14	Cut biopsy forcep 350mm length 2.0mm shaft diameter	2
15	Aspiration tubes rigid 350mm length 2.5mm diameter	4
16	Aspiration tubes rigid 500 mm length 4.0mm diameter	2
17	Cotton carrier working length 350mm	1
18	Fiber optic cable 2.5mm Diameter 1.80 meter length	2
19	Cold light source 250 Watt	1
20	All accessories should be from the same manufacturer and should be European CE/ US FDA approved	

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

Schedule no. 32

Flexible Rhino-Pharyngo Laryngoscope

A. General Specifications:

1. Should have large viewing angle and movable distal tip for better orientation
2. Waterproof, fully immersible for cleaning and disinfections
3. Sterilizable with ETO gas, steris and sterrad
4. Resistant construction and robust mechanics

B. Technical Specifications:

1. Direction of view: 0 deg.
2. Angle of view: 100-110 deg.
3. Working length: 20-25 cm
4. Outer diameter: 5-5.5 mm
5. Instrument Channel: 2-2.5mm

6. Deflection: Upward 160-180 deg, Downward 80-100 deg.

C. The following accessories should be included:

1. Carrying Case
2. Pressure compensation cap
3. Leakage tester
4. Mouth piece
5. Cleaning Brush
6. One Biopsy Forceps- Double action Jaws
7. One Grasping Forceps- Double action Jaws

D. All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Schedule no. 33

VIDEO-LARYNGOSCOPE

1. The system should provide a compact and at the same time multifunctional documentation unit. The system should have Hi-Lux high performance light source and the high resolution 12" integrated flat screen monitor. Additionally, the system should have integrated recording facility which can be controlled from the recording button on the handle of video laryngoscope. The system should provide the facility of recording up to 900 still images.

2. **Technical Specifications:**

A. Video Laryngoscope PAL:

i.	Direction of view:	0 deg.
ii.	Angle of view:	85 deg.
iii.	Depth of view:	3-50 mm
iv.	Working length:	30 cm
v.	Outer diameter:	3.7 mm
vi.	Deflection:	Upward 180 deg, Downward 90 deg.

B. The following accessories should be included,

i. Carrying Case
ii. Pressure compensation cap
iii. Leakage tester
iv. Mouth piece

3. The processor should be a multifunctional and compact unit for better space utilization. Should have integrated camera, light source and monitor. The system should incorporate the following functional units,
4. The Vedeo processor(Camera control Unit) should be able to produce, S-Video, Composite Video

5. The control unit should have integrated digital Image process module
6. The contro unit should have two output to control periferal devices such as printer/Hard Drives VCR 50 watts HiLux high performance light source, with
7. a color temperature of 5500 K to 5700 K. Upto 1000 Hours lamp operating time.
8. The unit should have SD/USB memory card for storage of still and video images
9. The compact unit should have 14" to 15" TFT/LCD
10. color monitor of high resolution 800 x 600 pixels.
11. The compact unit should have inbuilt high memebrane keyboard for entering patient data
12. Should have automatic high electronic shutter speed.
13. Minimum light sensiyivity : 0.3 to 3.0 lux at f=1.4 mm.
14. Should have signal to noise ratio not less than 48 dB.
15. Should have on screen menu display for all parameters.
16. Should have digital signal processing for high quality colour reproduction.
17. Should have automatic white balance for all Endo Light source.
18. The Control unit should have digital image processing module for enhancement control.
19. The unit should be easily transportable / portable without dismantling of the camera systems.
20. Should have European CE / US FDA Approved

Schedule no. 34

High frequency low temperature radiofrequency cautery for ENT

1. Frequency : 1.7 MHZ and 4 MHZ
2. Power output : 120 WATTS.
3. No need for ground contact or skin contact of antenna plate.
4. Finger switch & foot switch activated.
5. 4 wave forms
6. Fully filtered waveform
7. Fully rectified waveform.
8. Partially rectified waveform
9. Fulguration
10. For cut, coagulation, hemostasis, fulguration,
11. Bipolar cautery.

Probes

1. Micro-Larynx RF Probes
2. Ear RF Probes
3. Tonsil/adenoids RF Probes
4. Nasal surgery RF Probes
5. Oral surgery RF Probes
6. Bayonet RF Turbinate Volume Reduction Electrode
7. Bayonet Electrodes
8. Tongue Base Reduction Electrode
9. Cleaning Brush for Suction Probe
10. Angled Suction Coagulator
11. Suction Coagulator

The unit should contain all the accessories required for performance of ENT , head & neck surgeries

The unit should be European CE /US (FDA) approved

Schedule no. 35

Videonystagmographic Machine (VNG)

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1. With sensitivity of minimum 105 images per second binocular, minimum 174 images per second monocular.
2. Goggle with one camera and goggle with two cameras (non occluded and occluded view).
3. Able to perform all vestibular tests including smooth pursuit test (tracking)
4. Compatible with latest windows software
5. Laptop with minimum Processor core i3, 4GB DDR3 RAM, 500 GB hard disk with resolution of 1024x768 resolution or better, B/w Laser printer for documentation.
6. Rotary chair, irrigation for water and air included.
7. Software should be user friendly and free upgradable for next 10yrs.
8. Should be capable of performing following tests –
   a. Calibration test
   b. Gaze Nystagmus test
   c. Pendulum tracking
   d. Optokinetic tracking
   e. Position tracking
   f. Water caloric tracking
   g. Air caloric tracking
9. Should be European CE / US FDA approved

Note for Instruments sets

TITANIUM INSTRUMENTS :

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

STAINLESS STEEL INSTRUMENTS :-

1. All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2. The "Hinges" should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be CE & FDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..

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 (a)	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_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

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

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

*** After completion of Warranty period**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. **"Whether service tax on CMC is inclusive or extra ,if extra, indicate the present rate....."**.In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be 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 (AIIMS)
And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____
Place: _____

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

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

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

9) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to 'Technical Specifications'.
b) He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the

period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

c) The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).

(Signature)
(Name)
(Designation with stamp)

Explanatory notes for filling up the certificate:

i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.

ii) He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

iii) Training of personnel has been done by the supplier as specified in the contract.

iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

SECTION – XIX
ANNEXURES

Annexure 1

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

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

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

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

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

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

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

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

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

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

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

(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA

(i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.
Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

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

3. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

(Signature with date)

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

(Name, address and stamp of the tendering firm)

Section – XXI
Consignee List

Consignee Code	Medical Institutions	Contact Address.	AirPort	Sea Port
Bhopal	All India Institute of Medical Science, Bhopal	The Director, All India Institute of Medical Science, Near Saket Nagar, Bhopal-462020	NEW DELHI	KOLKATA
Bhubaneswar	All India Institute of Medical Science, Bhubaneswar	The Director, All India Institute of Medical Science, AIIMS-Bhubaneshwar, Near Biju Patnaik Police Academy, Village-Sijua, Bhubaneshwar-751019, Orissa	KOLKATA	KOLKATA
Jodhpur	All India Institute of Medical Science, Jodhpur	The Director, All India Institute of Medical Science, Basani Ph-2, Jodhpur-342005, Jodhpur	NEW DELHI	KANDLA
Patna	All India Institute of Medical Science, Patna	The Director, All India Institute of Medical Science, AIIMS-Patna, Phulwari Sharif, Infront of DAV School, WALMI, Danapur, Patna-801105, Bihar	KOLKATA	KOLKATA
Raipur	All India Institute of Medical Science, Raipur	The Director, All India Institute of Medical Science, AIIMS-Raipur, Old TB Hospital, Tatibandh, Raipur-492001, Chattisgarh	KOLKATA	KOLKATA
Rishikesh	All India Institute of Medical Science, Rishikesh	The Director, All India Institute of Medical Science, AIIMS-Rishikesh, Barrage Road, Pashulok, Rishikesh-249203, Uttarakhand	NEW DELHI	KANDLA

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