GLOBAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR
GOVERNMENT MEDICAL COLLEGE & HOSPITAL
NAGPUR

UNDER PMSSY – II Scheme
FOR

GOVT OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE

HLL/PCD/PMSSY-II/NAGPUR/02/14–15

BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)
Procurement & Consultancy Services Division
B-14 A, Sector-62, Noida-201 307
PHONE: 0120-4071500
FAX: 0120-4071579
URL: www.lifecarehll.com
Email: pcd@lifecarehll.com

INDEX

SECTION I

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

Procurement & Consultancy Services Division
B-14 A, Sector-62, Noida-201 307
PH: 0120-4071500; FAX: 0120-4071513
Email: pcd@lifecarehll.com;
URL: www.lifecarehll.com

FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY-II/NAGPUR/02/14-15 **Dated 21.10.2014**

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 Government Medical College & Hospital, Nagpur which is getting upgraded under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase II:

Sl. No	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
1	Ultrasonic Knife (Harmonic Scalpel)	Surgery	1	4	200000
		Gastroenterology - SSH	1		
		Trauma Care	1		
		Obst. & Gynaecology	1		
2	Flowler Beds (Motorized)	Orthopedics	5	24	48000
		Gastroenterology - SSH	4		
		Trauma Care	10		
		Obst. & Gynaecology	5		
3	ICU Beds	Surgery	5	5	30000
4	Cautery with vessel sealing	Surgery	2	3	150000
		CVTS - SSH	1		
5	Crash Cart Trolley	Surgery	9	10	25000
		Trauma Care	1		
6	Pedestal Lamp	Surgery	5	5	10000

Sl. No	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
7	Upper GI End View Gastroscope	Surgery	1	1	30000
8	Pulse lavage system	Orthopedics	2	2	8000
9	C PAP system	Gynaecology	2	2	4000
10	Central Fetal Monitoring Station	Gynaecology	2	2	40000
11	Dexa Scan	Medicine	1	1	24000
12	Hemodealysis machine	Medicine	1	1	12000
13	Holter Monitors	Medicine	1	1	6000
14	Fundus Camera	Ophthalmology	1	1	64000
15	Electric Automated autopsy saw	Forensic	2	2	8000
16	Autopsy Work Station (Table with hydro aspiration with drainage system)	Forensic	2	2	16000
17	Computerized microscope system digital head with zoom observation	Forensic	1	1	2000
18	Deca Head Teaching Microscope	Pathology	2	2	100000
19	Penta Head Teaching Microscope	Pathology	2	2	60000
20	Projection Microscope	Pathology	1	1	24000
21	Automated Hematology Analyzer —5 part differential —very high Throughput with accessories Bar code Reader and Software upgrades for 10 years	Pathology-Laboratory Medicine	1	1	130000

Sl. No	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
22	Automated Hematology Analyzer —3 part differential —very high Throughput with accessories and Software upgrades for 10 years	Pathology-Laboratory Medicine	2	2	24000
23	Lithoclast Master	Urology SSH	1	1	24000
24	PCNL Set	Urology SSH	1	1	20000
25	CUSA	Neuro Surgery SSH	1	1	40000
26	Neuro Endoscope System	Neuro Surgery SSH	1	1	80000
27	Neurosurgical & Spinal Surgery instruments (Craniotomy set, Microsurgical Instrument, Spinal stabilization set with spinal instrument set, Transsphenoid set)	Neuro Surgery SSH	1 set	2 sets	88000
		Trauma Care	1 set		
28	Operating Microscope	Neuro Surgery SSH	1	1	60000
29	Pneumatic drill with accessories	Neuro Surgery SSH	1	1	30000
30	Cardio ablator for Maze Procedure	CVTS SSH	1	1	36000
31	Drill System	Trauma Care	2	2	2000
32	Multipara meter Monitor with ICP Monitoring	Trauma Care	2	2	4000
33	Intraoperative Neuro Monitoring System	Trauma Care	1	1	68000
34	Cell Saver	Trauma Care	1	1	20000

35	Flexible Rhino-Pharyngo Laryngoscope	Anesthesia	1	2	40000
		ENT	1		
36	Pulse Oximeter	Medicine	11	17	17000
		Paediatrics	6		
37	Resuscitation Trolley with accessories	Paediatrics	4	4	8000
38	Video Laryngoscope	ENT	1	1	10000
39	Defibrillator Biphasic with internal paddles	Gastroenterology	3	3	24000
40	Portable Ventilator	Trauma Care	4	4	32000
41	Dental Chair-Fully Equipped with all attachments	Plastic Surgery	1	1	9000
42	Head-Light with xenon cold-light source	Plastic Surgery	1	1	3000
43	Co2 Laser	Plastic Surgery	1	1	80000
44	Micromotor Dermabrader with accessories	Plastic Surgery	1	1	3000
45	Micro facial Instrument set	Plastic Surgery	2	2	10000
46	Power instrument system with accessories	Plastic Surgery	1	1	16000
47	Skin graft mesher	Plastic Surgery	2	2	2400
48	Skin grafting handle dourons 4 Right handed, 2 left handed	Plastic Surgery	2	2	2000
49	Hair-transplant Instrument set	Plastic Surgery	1	1	10000
50	Laprotomy Set	Trauma Care	2	2	20000

51	**Photography Section -** Digital SLR Camera(25 Mega pixel) 5 units, Zoom lens, Macro zoom lens, Flash, Battery charger, Rechargeable batteries and other accessories for Medical photography, Computer with facilities for printing and developing Posters for Conference	Pathology-Photography Section	One unit	One unit	50000

(2) **Tender No.: HLL/PCD/PMSSY-II/NAGPUR/02/14-15**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	21.10.2014 to 21.11.2014, 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	28.10.2014, 1100 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	24.11.2014, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	24.11.2014, 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 / 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."**

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 off 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 off 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	29
B	8 to 10	TE documents	No Change	29
C	11 to 21	Preparation of Tenders	No Change	29
D	22 to24	Submission of Tenders	No Change	29
E	25	Tender Opening	No Change	29
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	29
G	38 to 45	Award of Contract	No Change	29

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 66 months from the date of Notification of Award

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

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

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

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

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

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

7.3 Packing instructions:

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

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

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."

8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.

8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.

8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.

8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.

"On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."

8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the

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

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

9. Terms of Delivery

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

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

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

11. Insurance:

11.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

i) In case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis . The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

ii) In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will have to be extended by the supplier at their cost till the successful installation,

testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

12.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:

a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and

b) In case the production of the spare parts is discontinued:

i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and

ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the goods so that the same are used during warranty and CMC period.

13. Incidental services

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

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

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

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

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

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

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

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

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

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

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

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

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

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

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

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

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

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

19. Prices

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

20. Taxes and Duties

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.

20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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

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

(vi) Certificate of country 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;
(v) Manufacturer's/Supplier's warranty certificate;
(vi) Manufacturer's own factory inspection report and
(vii) Certificate of origin by the chamber of commerce of the concerned country;
(viii) 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

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
1	Ultrasonic Knife (Harmonic Scalpel)	Surgery	1	4	5 years	Yes
		Gastroenterology - SSH	1			
		Trauma Care	1			
		Obst. & Gynaecology	1			
2	Flowler Beds (Motorized)	Orthopedics	5	24	5 years	Yes
		Gastroenterology - SSH	4			
		Trauma Care	10			
		Obst. & Gynaecology	5			
3	ICU Beds	Surgery	5	5	5 years	Yes
4	Cautery with vessel sealing	Surgery	2	3	5 years	Yes
		CVTS - SSH	1			
5	Crash Cart Trolley	Surgery	9	10	5 years	Yes
		Trauma Care	1			
6	Pedestal Lamp	Surgery	5	5	5 years	Yes
7	Upper GI End View Gastroscope	Surgery	1	1	5 years	Yes
8	Pulse lavage system	Orthopedics	2	2	5 years	Yes
9	C PAP system	Gynaecology	2	2	5 years	Yes
10	Central Fetal Monitoring Station	Gynaecology	2	2	5 years	Yes
11	Dexa Scan	Medicine	1	1	5 years	Yes
12	Hemodealysis machine	Medicine	1	1	5 years	Yes
13	Holter Monitors	Medicine	1	1	5 years	Yes
14	Fundus Camera	Ophthalmology	1	1	5 years	Yes
15	Electric Automated autopsy saw	Forensic	2	2	5 years	Yes
16	Autopsy Work Station (Table with hydro aspiration with drainage system)	Forensic	2	2	5 years	Yes

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
17	Computerized microscope system digital head with zoom observation	Forensic	1	1	5 years	Yes
18	Deca Head Teaching Microscope	Pathology	2	2	5 years	Yes
19	Penta Head Teaching Microscope	Pathology	2	2	5 years	Yes
20	Projection Microscope	Pathology	1	1	5 years	Yes
21	Automated Hematology Analyzer —5 part differential —very high Throughput with accessories Bar code Reader and Software upgrades for 10 years	Pathology-Laboratory Medicine	1	1	5 years	Yes
22	Automated Hematology Analyzer —3 part differential —very high Throughput with accessories and Software upgrades for 10 years	Pathology-Laboratory Medicine	2	2	5 years	Yes
23	Lithoclast Master	Urology SSH	1	1	5 years	Yes
24	PCNL Set	Urology SSH	1	1	5 years	Yes
25	CUSA	Neuro Surgery SSH	1	1	5 years	Yes
26	Neuro Endoscope System	Neuro Surgery SSH	1	1	5 years	Yes
27	Neurosurgical & Spinal Surgery instruments (Craniotomy set, Microsurgical Instrument, Spinal stabilization set with spinal instrument set, Transsphenoid set)	Neuro Surgery SSH	1 set	2 sets	5 years	Yes
		Trauma Care	1 set			

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
28	Operating Microscope	Neuro Surgery SSH	1	1	5 years	Yes
29	Pneumatic drill with accessories	Neuro Surgery SSH	1	1	5 years	Yes
30	Cardio ablator for Maze Procedure	CVTS SSH	1	1	5 years	Yes
31	Drill System	Trauma Care	2	2	5 years	Yes
32	Multipara meter Monitor with ICP Monitoring	Trauma Care	2	2	5 years	Yes
33	Intraoperative Neuro Monitoring System	Trauma Care	1	1	5 years	Yes
34	Cell Saver	Trauma Care	1	1	5 years	Yes
35	Flexible Rhino-Pharyngo Laryngoscope	Anesthesia	1	2	5 years	Yes
		ENT	1			
36	Pulse Oximeter	Medicine	11	17	5 years	Yes
		Paediatrics	6			
37	Resuscitation Trolley with accessories	Paediatrics	4	4	5 years	Yes
38	Video Laryngoscope	ENT	1	1	5 years	Yes
39	Defibrillator Biphasic with internal paddles	Gastroenterology	3	3	5 years	Yes
40	Portable Ventilator	Trauma Care	4	4	5 years	Yes
41	Dental Chair-Fully Equipped with all attachments	Plastic Surgery	1	1	5 years	Yes
42	Head-Light with xenon cold-light source	Plastic Surgery	1	1	5 years	Yes
43	Co2 Laser	Plastic Surgery	1	1	5 years	Yes
44	Micromotor Dermabrader with accessories	Plastic Surgery	1	1	5 years	Yes
45	Micro facial Instrument set	Plastic Surgery	2	2	5 years	Yes
46	Power instrument system with accessories	Plastic Surgery	1	1	5 years	Yes
47	Skin graft mesher	Plastic Surgery	2	2	5 years	Yes
48	Skin grafting handle dourons 4 Right handed, 2 left handed	Plastic Surgery	2	2	5 years	Yes

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
49	Hair-transplant Instrument set	Plastic Surgery	1	1	5 years	Yes
50	Laprotomy Set	Trauma Care	2	2	5 years	Yes
51	**Photography Section -** Digital SLR Camera(25 Mega pixel) 5 units, Zoom lens, Macro zoom lens, Flash, Battery charger, Rechargeable batteries and other accessories for Medical photography, Computer with facilities for printing and developing Posters for Conference	Pathology-Photography Section	One unit	One unit	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

Item No.1
Ultrasonic cutting and Coagulation device

1 Description of Function

1.1 Ultrasound is the basis for an efficient surgical instrument: the cuts and coagulates by using lower temperatures than those used by electrosurgery or lasers. Controls bleeding by coaptive coagulation at low temperatures ranging from 50ºC to 100ºC: vessels are coapted (tamponaded) and sealed by a protein coagulum. It should have a facility of additional vessel sealing system attached in the same unit

2 Operational Requirements

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

3 Technical Specifications

1. Ultrasonic generator generating ultrasound frequency in between 35-70 KHz

2. Hand-piece with transducer & silicon cable

3. Capability of being operated by hand control or foot switch.

4. Single/Dual foot-switch attachment

5. Stand-by mode for better safety

6. System diagnostics and trouble shooting guide

7. Warning system for malfunctioning cable, probe etc (Audible/ Visual)

8. It should not interfere with other electromagnetic devices

9. It should have a horizontal/torsional vibration

10. Should be capable of sealing vessels atleastupto 5mm diameter

11. Should have different audible tone settings for different modes

12.Bidder has to give demonstration of the equipment if required.

4 System Configuration Accessories, spares and consumables

4.1 Accessories: Price to be quoted for each of the accessories & it should be valid for the entire warranty period

1. Foot-switch with cable.

2. Cart to house the generator and accessories

3.Open surgery instruments – 2 Nos. Each

a)Coagulation shears – 5mm dia, 17cm long or more
b) Dissecting grasp 5mm for cogulation 17mm or more

4.Endoscopic surgery instruments – 2 Nos. each

a. Dissector Grasper 5mm diameter 30cm-45cm long

b. Curved Shear,5mm diameter,30cm- 45cms long

5. Any Other compatible Accessories has to be offered if any

5 Environmental factors

5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive.

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

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

6 Power Supply

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

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

7 Standards, Safety and Training

7.1 The generator must be CF isolated applied device and defibrillator protection must be available.

7.2 Should be USFDA/ European CE approved Model

7.3 Manufacturer should have ISO certification for quality standards

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

7.5 Instrument should be upgradeable in case of any technology advancement free of cost. Hand piece with transducer should be covered with warranty.

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English

8.2 Certificate of calibration and inspection.

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

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

8.5Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Anypoint ,if not substantiated with authenticated catalogue/manual, will not be considered. The equipment should be available for demonstration in case required

8.6The equipment should be available for demonstration in case required

8.7 The equipment should have 95% uptime. If downtime exceeds 5 % in a calendar Year, Warranty will exceed for double the number of days.

Item No.2
FOWLER BED (MOTORIZED)

- It should be motorized Fowler Bed.
- Overall size 2180mm L x 1010mm W x 600mm H.
- Bed frame: size: 2095mm L x 920mm W.
- The main frame should be made from 60mm x 30mm x 16 G ERW rectangular tubes.
- Four sections top should be made from 18 G C.R.C.A. sheets uniformly perforated and should be suitably fitted to the main frame.
- Back-rest and knee rest should be maneuvered by the screw mechanism with one common handle, welded with 31.7mm dia x16 G ERW M. S.
- Tube for linear movement in a 38mm dia x 16 G ERW M. S. cover tube which can be smoothly operated on thrust bearings.
- Detachable Head and Leg Bows: Should be made from stainless steel 31.7mm dia x 18 G tube with laminated panels of apporx size 810mm L x140mm wide x 14mm thick on stainless steel bracket.
- The base frame should be fitted with non rusting swivel castor wheels 125mm dia, 2 with brake, 2 without brakes castors housing and wheels made from high grade non floor staining synthetic materials with integrated thread guards wheel centre having precision ball bearing to run smoothly.
- The bows should be mounted to the bed frame on welded brackets in such a way that bolt or nut should not appear on top surface of the bed frame.
- Four IV Rod Locations.
- A mattress suitable for the bed made of 25mm thick soft 32 density top layer and 75mm thick high 40 density bottom layer for the patient comfort and better pressure care.
- The upper part of cover of the mattress is made of waterproof breathable fabric separated by zip on three sides with lower cover part made of rexine.
- All mild steel components should be thoroughly in-house pretreated chemically to remove rust, grease, oil, etc. by dip tank processes, including separate degrasing, pickling, phosphating each followed by water rinsing passivating and hot air drying to give phosphate coating.
- The treated metal surface should then be coated in-house with epoxy polyester powder with paint film thickness of 60 microns (minimum) and oven baked at 180 deg. to 200 deg. centigrade.
- All STAINLESS STEEL used should be of 304 grade.
- Bed should be supplied with following accessories.
- Bedside rails removable type and Stainless steel Telescopic IV Rods.

Item no. 3

ICU Bed

1 Description of Function

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

2 Operational Requirements

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

2.2 Demonstration of the system is a must

3 Technical Specifications

3.1 Should have four section mattress base

3.2 Should have X-Ray translucent back section made up of high pressure laminate.

3.3 Should have X-Ray cassette holder underneath the back section & should allow insertion of X-Ray cassette from either side of the bed or from back section.

3.4 Base frame & support frame should be made up of steel with epoxy powder coated for long life & prevention from rusting.

3.5 Should have stepless electrical adjustment for the following (Dimension Approx +/- 10%):-

i. Height : 450-840 mm
ii. Back section : 0- 50 degrees
iii. Leg Section : 0-30 degrees

3.6 Should have stepless pneumatic adjustment for Trendlenburg (12° approx), anti-trendlenburg (12° approx)

3.7 Should have a manual quick release mechanism for back section adjustment during emergency situation

3.8 Should be equipped with four articulated half length tuck away side rails

3.9 Should be equipped with large castors (diameter 125 mm) with central braking and steering facility.

3.10 Mattress of the Bed should be made up of high density foam with Anti Microbial agent incorporated into all components that assists in Prohibiting growth of bacteria & fungi and easy to clean.

3.11 Mattress should be fully Radiolucent for ease in performing portable X-Rays.

3.12 Should have bumpers at all four corners and place for fixing accessories

3.13 Dimensions of bed :

i. Length : 2200 -2290 mm
ii. Width : 850 -1020mm
iii. Mattress Size : appropriate as per bed size

4 System Configuration Accessories, spares and consumables

4.1 I.C.U Bed Mainframe perforated heavy gauge sheet

4.2 Heavy Gauge & total weight of Bed

4.3 Bed Ends, detachable : 01 pair

4.4 Articulated half length tuck away side rails: 04 Nos.

4.5 IV Rods: 01 No.

4.6 Mattress 12 cm Thick: 01 No.

5 Environmental factors

5.1 Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

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

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

6 Power Supply

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

6.2 Battery backup for 2 Hrs.

7 Standards, Safety and Training

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

7.2 Should be US-FDA or European CE approved product

7.3 Manufacturer should have ISO certification for quality standards.

7.4 Electric Shock Protection level-Class-B

7.5 Electric current Protection- Class -1

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

8 Documentation

8.1 Certificate of Calibration and inspection from the factory

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

8.3 List of important spare parts and accessories with their part number and costing
8.4 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.
The job description of the hospital technician and company service engineer should be clearly spelt out
8.5 Service manual in English
8.6 User manual in English
8.7 Must submit user list and performance report within last 5 years from major hospitals.

Item No. 4
Cautery Machine with Vessel Sealing

1 It should be microprocessor controlled
1 It should have the facility of Dual application with two separate outlets in Monopolar for hand and foot mode.
2 It should have progressively / increasing or decreasing HF output power value in 1-watt steps.
3 There should be two sided neutral electrode plate for patient control system with remote function (PCs) which continually monitors the neutral electrode for proper application
4 It should have endo mode for all endoscopic work.
5 The unit should have self-testing facility for trouble shooting. Should have LCD display/Digital display & audible alarm functions.
6 There should be built in dynamics self adaptive HF Power output control which automatically select the most suitable operating points.
7 It should have not less than 6 different types of currents for monopolar and bipolar application.
8 The unit should be more safe for patient through active leakage current limitation.
9 It should have automatic HF power cut off by auto coagulation stop.
10 It should be functional at both hand and foot mode.
11 It should have reusable vessel sealing forceps required to seal upto 6-7mm vessel for open surgery and laparoscopy surgery (2 each)
12 Should have bipolar scissor for open surgery and laparoscopy surgery (2 each)
13 "The maximum power of different type outputs should be as:-

i. Monopolar Cutting Max - 300W- 400W, Monopolar Coagulation 120W or more
ii. Bipolar Cutting 150 W or more, Bipolar coagulation 120 W or more
iii. Endo Mode Max – 100 W at 200 Ohms
iv. Contact Coagulation – Max 250 W at 200 Ohms
v. Spray Coagulation – Max 120 W at 300 Ohms"

14 The system should be supplied with all the standard reusable accessories such as-

i. Electrode set of 10 Nos. each (Pin point, flat tip-short, flat tip- long blade),
ii. Monopolar double pedal foot switch,
iii. earth pad – 5,
iv. bipolar forcep with cord -5,
v. electrode handle with finger switch- 10 and other standard accessories"

15 The unit should be having quality standard certified by DIN ISO 9001/ EN 46001.
16 The equipment should be European CE/ US FDA approved and all accessories should be from same manufacturer
17 "Should have cart system for electro surgery unit with following accessories:-
a) 1 power unit

b) 3 or more Power outlet - Indian Standard
c) Foot switch bracket with double paddle"

Item No. 5
CRASH CART TROLLEY

1. Size 960mm L x 500mm W x 1545mm H .
2. Frame work made of Stainless Steel tube of minimum 25mm dia.
3. Two light weight polystyrene boxes each with three drawers, upper drawer with medicine container of different sizes.
4. Provision to hold Oxygen cylinder and cardiac Massage Board.
5. Six numbers coloured hand out bins to keep important supplies at eye level. Two nos.
6. Stainless Steel shelves to carry monitors, ECG Machine, suction apparatus etc.
7. Provided with corner buffers & Rails. All stainless steel components should be of 304 quality.
8. Crash cart should be movable on four non-rusting swivel casters of 125mm dia two with brake.

Item No. 6
PEDESTAL LAMP

1. Extremely flat, compact and aero dynamical
2. The single light head should consist of several, symmetrically arranged LED.
3. Light Head : Light-head made of power-coated aluminium die case.
4. Light-head having smooth and clean surfaces that are easy and safely to clean.
5. One-point suspended on articulating arm , diameter below 150mm
6. Lighting intensity at 1m distance : min.20,000 Lux or better
7. Life span of main light source : 25,000 hours- 30,000hrs
8. Supply voltage : 220 VAC / 24V DC / 24 V AC
9. Mobile Light should be supplied along with battery back up of about 1hour.
10. The warranty must cover each and every part of the equipment and its accessories.

- The unity should be having US-FDA or European CE approved
- All technical specifications accepted in the compliance statement must be supported by original literature from the firm.

Item No. 7
Upper GI End View Gastroscope

Full HD Video Processor and camera
•Compatible 180 – 300 Watts Xenon Light Source with 2 extra Xenon bulbs.
• Compatible 24" or more HD medical grade LCD Monitor
• Portable high quality Trolley for the whole system
• Biopsy channel rubber valves (50 pieces with one endoscope)
• Scope should be fully immersible for disinfection.
Other inclusions:
• All standard accessories, Air Leakage Tester, User/Operator & Reference Manuals,
• A fully loaded Windows Xp/Vista based PC with genuine software including windows Xp/7, office 2007/2010,software for recording ,processing and printing,
• CPU minimum 500 GB hard disk, 5 GB RAM, DVD and CD reading & writing capabilities, digital keyboard, optical mouse, 17-19" LCD monitor(other than above), UPS of standard make and model , color laser printer preferably with

smart memory PC card slot or digital output to facilitate direct recording of data, image and video output from the processors

- Separate trolley for installation of computer
- Large trey should be provided for disinfection of equipment

Adult Therapeutic UGI Videoendoscope

•Optical System
Field of View: 120degree or more
Depth of View: 5-100 mm or better
•Distal End (OD): 11-13 mm or less
•Bending section (Range of distal end bending)
Up: 190-210 degree or more
Down: 90-120 degree or more
Right: 100-120 degree or more
Left: 100-120 degree or more
•Insertion tube (OD): 11-13 mm or less
•Working Length: 1000-1150 mm
•Total length: 1300-1450 mm
•Instrument Channel (ID): 3.8 mm or more
Accessories:
Biopsy forceps, foreign body forceps, injection needle, dormia basket and polypectomy snear – one each for all scopes

Item No. 8

Pulse Lavage system for Orthopedic Surgery

1. Irrigation pressure electronically controlled
2. Autoclavable and reusable tubes of medical grade silicon
3. Easy loading of tubes in the machine
4. Efficient peristaltic pump
5. Foot control or hand trigger operated machine
6. Variable speed trigger/switch for improved control of pulse strength and frequency
7. Handpiece with ergonomic grip
8. Fracture resistant spray system and suction tip
9. Non clogging suction design
10. Least amount of disposable should be required
11. Power supply 230V AC
12. Stainless steel body

Item No. 9

CPAP SYSTEM

1. Pressure range: 4 to min 20 cm H2O
2. Ability for sleep apnea detection.
3. Should have a therapy management software
4. Ramp time: 0 to 45 min. (5-min. increments)

5. Starting ramp pressure: adjustable
6. Weight: Less than 3 kg
7. Filters: Foam or ultra-fine
8. Device set-up: LCD/control wheel/push button
9. Data storage capacity (minimum): 365 sessions and 30-day averages, facility to store data on data card.
10. Compliance meter: Breathing detection
11. Altitude compensation: Automatic/ Manual
12. Automatic leak compensation
13. Start/Stop feature
14. Electrical requirements: 220 VAC,50 Hz
15. Humidification: Integrated heated humidifier
16. Should be European CE or US FDA approved.

Item No. 10
Fetal Monitor with central Station
(Central Fetal Monitoring System)

1 Description of Function

1.1 Antepartum and Intrapartumfoetal 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 Battery and main operation facility

3.2 Should have inbuilt LCD screen with facilities to display on screen fetal heart tracings and toco tracings.

3.3 Should be compact, light weight and should have inbuilt carrying handle and waterproof transducers.

3.4 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

3.5 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. Preferably there should be facility to switch between transducers when more than one transducer is used.

3.6 Ability to give an accurate continuous trace and should be able to detect sudden beat changes upto 25 bpm

3.7 Audible alert indication of fetal bradycardia and tachycardia

3.8 External tocotransducer which should be a sealed waterproof unit. Guard ring designed to reduce maternal respiration artifact.

3.9 Patients event marker.

3.10 Capability of automatic fetal movement detector.

3.11 Digital numeric and text display along with audio signal of fetal movement

3.12 Should have inbuilt keyboard entry screen for patient data entry, name etc.

3.13 Minimum 5 hour memory of traces with fast printing.

3.14 Should provide following accessories – Transducer belts, Belt buckles, Main cables, interconnecting cables, ultrasound gel bottles.

3.15 Inbuilt high resolution thermal/Laser printer with easily available cost effective paper.

3.16 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.

3.17 Following rate to be quoted Separately.

(I) facility for intra uterine pressure monitor.

(II) facility to record fetal heart rate pattern through fetal ECG.

(III) facility to monitor twins. Should have twin offset feature so that both fetal heart traces are clearly visible.
(IV) facility of central monitor system.

4 Environmental factors

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

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

5 Power Supply

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

5.2 Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied

6 Standards, Safety and Training

6.1 Should be US FDA or European CE approved product

6.2 Comprehensive training for lab staff and support services till familiarity with the system.

6.3 Manufacturer should have ISO certification for quality standards.

6.5 Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

Item No. 11

TECHNICAL SPECIFICATIONS OF HIGH END WHOLE BODY DEXA SYSTEM

1. Measurement of Bone Densitometry by DEXA (Dual energy X Ray Absorptiometry) using Fan Beam Acquisition. Detectors minimum 216 or more. Precision error of < 1%.

2. BMD Analysis of AP Lumbar Spine, Lateral Spine, Proximal Femur, Forearm, Supine lateral BMD using integrated motorized rotating C arm, dual hip, whole body composition of adult with subregion analysis, and subregion bone density, infant & pediatric whole body and small animal densitometry should be possible.

3. Facility for High Definition Instant Vertebral Assessment (IVA), software for fracture risk assessment (FRAX). DICOM & PACS compatibility. Prosthetic implant/orthopedic analysis and any advanced orthopedic software.

4. Spine, small animal & whole body phantoms. Suitable online UPS for equipment.

5. Requisite workstation configuration: processor with 2.5 GHz speed or more, network ready facility, minimum 500 GB Hard Disk with 1 TB External Hard Drive, 4 GB RAM, 160 GB Video Board, CD/DVD writer, UPS, and High Quality Laser black & white printer from India.

6. Additional workstation - Requisite configuration for (optional) specifications same as above workstation to view the scans for reporting, to do all the required calculations and printing of reports without being attached to the main equipment. It should have all the features and software as per the main workstation.

7. Any software upgrade should be provided free of cost.
8. Installation should be free of cost.

9. **Warranty**: The complete system including X-Ray tubes should have a minimum warranty of 5 years,
10. **CMC**, with all spares for 5 years after the completion of warranty period.
11. Training: onsite training for personnel.
12. **Datasheets** : Please attach the original manufacture's product catalog and datasheets. Photocopied, computer generated catalogue and datasheet will not be accepted.
13. **Accessorie**s: Lead aprons – 2 Nos
14. UPS backup for > 30 minutes
15. Voltage stabilizer
16. Complete training from approved institute for 2 personals/doctors
17. Lead protection wall to be included
18. Transparent lead acrylic shield between source and operator

Item No.12
Haemodialysis Machine

1 Description of Function

1.1 Haemodialysis, is a method for removing waste products such as potassium and urea, as well as free water from the blood when the kidneys are incapable of this (i.e. in renal failure). It is a form of renal dialysis and is therefore a renal replacement therapy.

2 Operational Requirements

2.1 Machine should have facility for Acetate, Bicarbonate, Sequential dialysis (Isolated UF)

2.2 Upgradable to future software developments and can be linked with Patient Data Management System

2.3 The blood pump should run even in the absence of water or dialysate flow.

3 Technical Specifications

3.1 Should have facility for conventional and High flux dialysis.

3.2 Machine should have two bacterial filter (Pyrogen filters) one at water inlet and one before water going to dialyser

3.3 Battery back-up for 15-20 minutes to run complete machine with heater supply

3.4 Should have Na, Bicarbonate and UF profiling

3.5 Dialysate temperatures selectable between 35 degrees C to 39 deg. C

3.6 Variable conductivity setting between 12 to 15**ms/cm**

3.7 Should have variable dialysate flow **300-800 ml/mt**

3.8 Should have facility to show trends curve of all parameter for 15-20 minutes

3.9 Heparin pump with syringe sizes up to **10m or 20ml** with pump flow rate of 1-10ml/hr with 0.1ml increment

3.10 Stroke pressure operated short term single needle dialysis

3.11 Ultrafiltration 0.1 to 2.5 litres/hr. .The in and out fluid circuit must be separated so that there is no chance of contamination in the event of membrane rupture.

3.12 Treatment parameter should be displayed by graph and digitally both

3.13 Should have integrated heat (80 degC) and chemical disinfection facility.

3.14 Should have accurate feedback control conductivity mixing technique.

3.15 Should have drain facility.
3.16 Should have accurate UF control
3.17 All important data should be presetted so that machine can be used anytime without feeding data every time
3.18 Should have automatic self-test facility
3.19 Should have auto ON/OFF Facility
3.21 Should have touch button/ touch screen
3.22 Easy to service, troubleshoot and calibrate
3.23 Machine can be connected to computer to feed all data and trouble shoot whenever any problem
3.24 Blood pump rate from **50-500 ml/min** adaptable to standard, A-V bloodlines
3.25 Ability to monitor pulse rate and NIBP with graphic and tabulated trends.
3.26 Audio visual alarms on limit violation of conductivity, blood leak, air leak, transmembrane pressure alarms, Dialysis temperature alarm, dialysis can empty alarm, end of disinfection alarm by pass alarm and blood pump stop alarm
3.27 Alarm for reverse Ultrafiltration.
3.28 Suitable 200 ltrs/hr RO Plant with storage tank of 500 ltrs should be supplied.

4 System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 All consumables required for installation and standardization of system to be given free of cost.
4.3 To be supplied free of cost Bacterial filters– 2 sets extra , 100 polysulfone, 1 m2 dialyzers and tubing's
5 Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.
7 Standards, Safety and Training
7.1 US-FDA or European CE approved product.
7.2 Manufacturer/Supplier should have ISO certification for quality standards.
7.3 Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part2-particular requirements for the safety of Haemodialysis equipment.
7.4 Should have local service facility .The service provider should have the necessary equipment 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 Certificate of calibration and inspection.
8.3 List of Equipment available for providing calibration and routine Preventive Maintenance Support, as per manufacturer documentation in service/technical manual.
8.4 List of important spare parts and accessories with their part number and costing.
8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out

Item No.13
HOLTER MONITORS

Description of function

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

Operational requirements

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

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

Technical Specifications

3.1 The system should be PC based with PC Specifications (HP/Compaq / Dell) (1 No Desk top ; 1 No Lap top PC) as following:

a. Computer Processor: Corei5
b. Memory: 2 GB RAM, Network ready facility
c. Hard Disk: 500 GB Hard disk
d. CD-ROM / WRITER: 52x-speed drive or faster.
e. USB: Universal Serial Bus port. Min. 4 ports
f. Monitor: Color Super VGA 22" flat monitor capable of displaying 1280 x 1024 resolution.
g. Printer: HP LaserJet 2300 or higher.
h. Slot: Minimum one free PCI expansion for card reading.
i. Software: Visa Ultimate or higher
j. Should be supplied with a desktop (1 No) and a lap top computer (1No).

3.2 Should provide continuous 12 Lead ECG capability that allows viewing and printing of a 12 Lead ECG from 3 channel ECG recording at any time during 24/28 hour recording. The same recorder should have the capability of having 3 lead ECG for 7 days

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

Should have integrated ECG data management software.

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

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

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

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

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

3.9 Should provide QT and Pacemaker analysis

3.10 Should create custom reports templates

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

3.12 (III) Recorder specifications :

1. Should weigh no more than 120 grams with battery and flash memory installed.

2. Should acquire simultaneous three channel ECG with software to convert three channels to 12 lead ECGs in the scanning device.

3. Should come with pacemaker software that automatically removes pacing artifacts and annotates the recording with pacing pulses.

4. Should Store 24 or 48 hours of ECGS with no data compression.

5. Should use only one no AAA alkaline battery to provide up to 48 hours of three channel recording.

6. Should have a LCD display of the patient's ECG during hook up to verify proper electrode application.

7. Should use only 3 leads to record a three channel ECG.

8. Should be water resistant.

9. Should synchronize the recording start and end time with the recorder time clock

10. Should have voice recording to store patient ID

11. Recorder should be tamper proof - i.e., even if the battery or CF is removed accidentally, ECG should continue normally after the battery or CF is replaced.

12. Low battery alarm facility (audio/visual)

System Configuration Accessories, spares and consumables

Higher configuration computer and printer

The system should contain all the above accessories in Integrated or as separate accessories.

Environmental factors

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

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

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

Power supply

Power input to be 220-240VAC, 50Hz,/440 V 3 Phase as appropriate fitted with Indian plug.

Resettable overcurrent breaker shall be fitted for protection

UPS of suitable rating conforming to IS-302 shall be supplied for computer system

Standards and safety

Should be FDA or CE approved product

Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.

Documentation

8.1 User manual in English

8.2 Service manual in English

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

8.4 Certificate of calibration and inspection from factory.

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

Training: One or Two doctors to be given training for approved institue

Item No. 14
DIGITAL FUNDUS CAMERA (MYDRIATIC & NON - MYDRIATIC)

1. Field Angle : 20 deg to 50 deg
2. Capture Color, red- free and red pictures, blue and reimages and pictures of the anterior segment, as well as Fluorescent angiography. Live visualization, Automatic multi image montage, stereo mode for 3D images. ICG angiography
3. Viewing magnification 11x, 19x and 29x.
4. Filters FA +ICGA exciter and barrier filters, Filter for green and blue images, filter for fundus auto fluorescence, UV/IR barrier filter, Fluorescence angiography ICG filter.
5. Corneal image illumination from 3 external white LED sources.
6. Capture Sequence 1……..2 seconds (depends on flash energy)

7. Compensation for Ametropia +35D ……..-35D, continues
8. Swivel range +/- 45deg horizontally, +/-15 deg vertically by hand wheel (manual)
9. Pupil diameter: 4.0 mm 3.3 mm (Degree small pupil mode)
10. Capture Sensor: High resolution 3CCD medical grade camera (Integrated) (430mmx310mmx800mm)
11. Fixation Internal: External & internal various programmed sequence or freely position able special attention node.
12. Flash Energy : Xenon Flash Lamp , 20 flash levels (480mmx190mmx470mm)
13. Database: Patient information and image with field angle, FA time, R/L Recognition and date visit.
14. Computer : For archiving facility is a must with options of DVD + CD with color laser printer
15. Suitable online UPS with one hour backup to be provided.
16. All hidden cost and maintenance cost should be clarified. List of all consumables and their cost should be specified
17. Offered model should be USFDA and/or European CE approved & permissible working temperature 10-35%.
18. Motorized automatic alignment, suitable for wheel chair patient, instrument table.

Item No. 15
AUTOPSY SAW

1. Electrical operated saw suitable for autopsy application
2. Should have electronic control console.
3. Motor speed should be more than 15,000 RPM
4. Oscillation rate should be more than 30,000 per minute
5. The equipment should be supplied with following acessories
    a. Light weight Hand piece- 1
    b. Electric console -1
    c. Cable for Hand piece- 1
    d. Medullary reaming attachment- 1
    e. Jacobs Chuck and key attachmen-t 1
    f. Battery Charger 4 station -1
    g. Reciprocating saw Attachment-1
    h. Sagittal Saw Attachment 1
    i. Blades for Sagittal saw -10 nos
    j. Blades for reciprocating saw -24 nos
    k. Battery Packs- 4
    l. Transfer Kit -1
6. **Standard,Safety and Training**
    a. The manufacturer should have ISO certification.
    b. Product should be FDA or CE certified
7. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/ para number of original catalogue/data sheet. Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.

Item No.16
AUTOPSY TABLE (Autopsy Work Station)

1. Table top,baseplate,consealing and lifting mechanism.should be made up of SS 304
2. Should be free standing autopsy table mounted on a cantilever frame for easy access and cleaning
3. A sink bowl should be integrated into the autopsy table with Spray facility with hydro-aspirator facility
4. Sink should be made up of 304 grade stainless steel .
5. The fixed top should have tapered edge which allows convenient body transfer and a slow drainge of fluids towards the foul sink
6. Finished surface should withstand corrosive effect of chemicals
7. Should have an electrical height adjustment from 765mm - 1015 mm with 180deg rotation
8. Approximate dimension : 2200 mm(H) x 750 mm (W)
9. Power Supply:230V,50 Hz
10. **Standard,Safety and Training**

The manufacturer should have ISO certification.

11. **Documentation**

Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

Item No.17
COMPUTERIZED MICROSCOPE SYSTEM DIGITAL HEAD WITH ZOOM OBSERVATION

1 Description of Function

Trinocular Microscope is used for all test in the laboratory requiring microscopic examination.

2 Operational Requirements

2.1 Microscope body- Ergonomic design microscopy body with built in transmitted Kohler illumination for uniform illumination throughout the field of view including periphery

3. Technical specifications

3.1 Optical System:

Infinitely corrected optics par focal, plan achromatic lenses with anti-fungal properties (Imported)

3.2 Illumination:

- Built in transmitted Koehler illumination.
- LED source.

3.2 Focusing

- Coaxial coarse and fine adjustment
- Stage height movement by roller guide (rock & pinion)
- Upper limit stopper
- Tension adjustable on coarse focus adjustment knob

3.3 Revolving nosepiece

- Quintuple with inward tilt

3.4 Observation tube:

- Tube inclination – 30 -45 ^{0}
- Interpupillary distance adjustment range – minimum 50 to 70 mm
- Mechanical tube length-160mm

3.5 Stage

- Movement range – 76 mm X - direction X 50mm Y - direction
- Rectangular scratch resistant stage with right hand control with double slide holder and vernier calipers on X Y axis.

3.6Condenser

- Type – Abbe condenser
- N.A. – 1.2 dry type
- Aperture iris diaphragm - built – in
- Filter holder with removable blue filter.

3.7 Objectives - Imported, Plan Achromat antifungal treated infinity corrected parfocal (60/45mm) 4x, 10x, 20x, 40x & 100x (Oil Immersion)

3.8 Minimum working distance for 100X should be 0.13 to 0.2 mm

3.9 Eyepiece

- 10X with FOV 25

All the necessary adapters and power cords should be provided free of cost with each microscope for functioning of microscope :-

I) Oil for oil immersion lens – 1 bottle

3.10 Digital camera system (Price to be quoted separately)

Digital color camera capable of handling brightfield, fluorescence, DIC, Darkfield images with 2/3" high density CCD chip, approximately 8 Mega pixel resolution, live display MP Mode: (5M interlace mode-5.9 frames/sec; 23 frame per/sec with ROI & Binning) Binning modes: 2x2,4x4, digital zoom: upto 16x (8steps): interval shooting: 5 sec, 12hr intervals; software should come alongwith camera: for acquiring & capturing of images should have separate modes for different microscopy techniques i.e Brightfield, Fluorescence, DIC, Darkfield images.

Storage option in TIFF/RAW and JPEG formats. Branded with intel lazer quad processor 2.4 GHZ/320GB level 5 RADHDD stack.

3.11 Data collection and processing unit(Price to be quoted separately):

Branded with, 2 GB RAM, DVD Writer, 20" TFT Color Monitor, Multimedia Kit along with UPS. With Graphics accelerator multimedia card with greater than 250 mb on board RAM

3.12 Software(Price to be quoted separately)

Printer: Color laser MFD with>600 DPI minimum resolution, with wireless connectivity.

Computer: Onboard LAN card, wireless 802: 11W card

Printing:

Highend: Opitcal mouse pointing device > 1000 DPI

Software: Photography Editing, storage, filing and retrieval software
Photoshop CS3 professional
Photoshop Album
Antivirus, Antispyware, fire wall security software.
Digital control of camera exposure and image capture.

4 Environmental factors

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

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

5 Power Supply

5.1 Power operation 100-240 V, 50-60 Hz, universal voltage, SMPS circuit for constant voltage.

6 Standards and Safety

6.1 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

6.2 Should be US-FDA or European CE approved product

7 Documentation

7.1 Certificate of calibration and inspection from factory.

7.2 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue.

7.3 Microscope and camera should be from the same principle.

Item No. 18
DECA HEAD TEACHING MICROSCOPE

A) BINOCULAR MICROSCOPE OPTICAL SYSTEM: Universal infinity optical system, having objective parfocal distance of 45 mm (Imported)

B) OBJECTIVES: Brightfield plan achromat objectives 4x , 10x , 40x , 100x oil, all with anti-fungus treatment

C) FRAME: Ergonomic design for comfort and ease of performance with ergonomically placed controls

D) STAGE: Ceramic coated rectangular mechanical stage with coaxial X and Y motion control knob on right-hand side centrable and rotatable with ball bearing

E) EYE PIECE TUBE: Wide field binocular tube (field no. 22) with tilting angle and adjustable inter-pupillary distance
F) EYE PIECE: Wide field paired eye pieces of 10x, N.A.22 (field no. 22)
G) NOSE PIECE: Interchangeable quintuple or more (4 slots or more for objectives) revolving nose piece with inward tilt. It should also have for polarizer. Arrow pointer attachment should also be provided.
H) ILLUMINATION: Built-in kohler illumination 12v-100w halogen lamp/ high intensity LED source, pre-centered and pre-focused
I) FILTERS: Built-in filters
J) CONDENSER Bright field condenser with N.A 0.9 or more.
    A) DECA HEADED ATTACHMENT
K) It should have modular accessories for simultaneous observations of the same specimen by ten persons, two each on either side sitting face to face, while giving the same constant degree of brightness, orientation and viewing heights.
L) POLARISING ATTACHMENT Polarizer and analyzer to be fitted into the arm of the microscope.
M) Eye pieces should have the pointer facility.
N) Offered model should be European CE or US FDA approved.

Item No. 19
PENTA HEAD TEACHING MICROSCOPE

A) BINOCULAR MICROSCOPE OPTICAL SYSTEM: Universal infinity optical system, having objective parfocal distance of 45 mm (Imported)
B) OBJECTIVES: Brightfield plan achromat objectives 4x , 10x , 40x , 100x oil, all with anti-fungus treatment
C) FRAME: Ergonomic design for comfort and ease of performance with ergonomically placed controls
D) STAGE: Ceramic coated rectangular mechanical stage with coaxial X and Y motion control knob on right-hand side centrable and rotatable with ball bearing
E) EYE PIECE TUBE: Wide field binocular tube (field no. 22) with tilting angle and adjustable inter-pupillary distance
F) EYE PIECE: Wide field paired eye pieces of 10x, N.A.22 (field no. 22)
G) NOSE PIECE: Interchangeable quintuple or more (4 slots or more for objectives) revolving nose piece with inward tilt. It should also have for polariser. Arrow pointer attachment should also be provided.
H) ILLUMINATION: Built-in kohler illumination 12v-100w halogen lamp/ high intensity LED source, pre-centered and pre-focussed
I) FILTERS: Built-in filters
J) CONDENSER Bright field condenser with N.A 0.9 or more.
    B) PENTA HEADED ATTACHMENT
K) It should have modular accessories for simultaneous observations of the same specimen by five persons, two each on either side sitting face to face ,while giving the same constant degree of brightness ,orientation and viewing heights.
L) POLARISING ATTACHMENT Polariser and analyser to be fitted into the arm of the microscope.
M) Eye pieces should have the pointer facility.

N) Offered model should be European CE or US FDA approved.

Item No. 20
Projection Microscope

1. Ergonomically designed rugged stand for longtime comfortable usage. Carrying handle should be built – into the stand. It should have built-in adjustable and centreable luminous field diaphragm .
2. Built –in Transmitted light illumination with 6V 30W halogen lamp should be quoted.
3. Power supply should be external
4. LED blue light display on both sides of the stand with quick light intensity control.
5. Transmitted light filters blue green and yellow should be quoted.
6. Quadruple revolving nosepiece reverse facing with precision click stops for easy change of objectives.
7. Abbe condenser with iris diaphragm numerical aperture 1.25 with centerable and height adjustable drive for perfect Koehler illumination should be quoted.
8. Mechanical stage should have a good ball bearings specimen holder and should have coaxial X and Y movement with the size 133 to 140mmX 125 to 135mm. The travelling range of the stage should be 75mm in X direction and 30mm in Y direction.
9. The stage movement in Z axis should be 15mm to 20mm stroke in coarse movement and 2 to 2.5 microns scale interval in fine focus graduation.
10. Trinocular tube with inclination of 30deg. with swiveling eyepiece tube and adjustable viewing height of at least 35mm. Interpupillary distance should be variable between 50mm to 74mm or better . The Trinocular tube should have beam splitting ratio of 50% for observation and 50% for documentation.
11. Eyepieces (anti – fungus) with 10X magnification field of view 20mm and should be suitable for spectacle wearers. Both Eyepieces should be of focusable type and should have +/-5 diopter adjustment.
12. High contrast fully plan achromatic objective, 4X/0.10, 10X/0.25, 40X/0.65 and 100X/1.25 oil 40X and 100X front optics are spring loaded.
13. Microscope should be antifungal treated.
14. Digital microscopic Camera with 5 Megapixel and resolution of 2560X1920, pixel size 2.2 um X 2.2um.
15. LCD projector with screen.

Item No. 21
Automated Hematology Analyzer – 5 part differential – very high Throughput with accessories bar code reader and software upgrades for 10 years

1 Description of Function

1.1 Automated Blood Cell Counter is used to count various types of blood cells in the blood.

2 Operational Requirements

2.1 Automatic blood cell counter that measures 18 parameters including 5-part differential of WBC is required complete with printer.

3 Technical Specifications

3.1 Parameters to be measured are -WBC, LYM%, LYM, MON%, MON, GRA%, GRA, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, PCT, PDW.

3.2 Histogram WBC 5-part diff distribution, RBC distribution, PLT distribution .

3.3 Measurement Principle Electrical impedance method (WBC, RBC, HCT, PLT) Cyanmethemoglobin colorimetric method (HGB)

3.4 Sample volume : Whole blood upto 150 µL. It should also be able to give all parameters with a finger prick volume of app 20 µL

3.5 Throughput > 75 samples per hour.

3.6 Linearity Ranges WBC 0.5-80.0 * 10^3/µL
RBC 0.20-7.50 * 10^6/µL
HGB 2.0-25.0 g/dL
HCT 10.0%-70.0%
PLT 10-999 * 10^3/µL

3.7 Reproducibility (CV) WBC
RBC
HGB
HCT
PLT
LYM%
MON%
GRA%

3.8 Should be supplied with bar code reader for sample identification

3.9 The sampling probe should be automatically cleaned off, so that any blood stack doesn't occur.

3.10 It should take only 60-65 seconds to acquire the measurement result

3.11 Various sensors should check the condition of the instrument. If any abnormality is detected, an error message be displayed so that occurrence of trouble is prevented

3.12 Integrated thermal printer.

3.13 On board memory for about 200-250 tests records.

3.14 Monitoring and flagging functions.

3.15 Automatic startup , Electronic self checks, rinsing and background count check and automatic cleaning in case of blockage in capillary/ bubble in fluid.

3.16 Should be supplied with Windows based or equivalent platform computer system of latest configuration along with 21" LCD/TFT monitor, UPS, color laser printer etc.

3.17 Regular timely service should be provided

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 Reagents and printer paper for at least 1000 test should be provided.

4.3 Bidder should quote for price of reagents required for 5 years. **Price to be offered separately**

4.4 Reagents should be available for 10 to 15 years

5 Environmental factors

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

5.2 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

6 Power Supply

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

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

7 Standards, Safety and Training

7.1 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001
applicable to manufacturers and service providers that perform their own design activities.

7.2 Should be compliant with IEC 61010-1:(or any international equivalent eg EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use

7.3 Should be IVD certified, European CE or USFDA approved product

7.4 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation

8.1 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Anypoint ,if not substantiated with authenticated catalogue/manual, will not be considered.

Item No.22
Automated Hematology Analyzer – 3 part differential – very high Throughput with accessories and software upgrades for 10 years

1. Should be a fully automated hematology analyzer providing 18 parameters including a 3- part differential, with user definable settings for RDW – CV or RDW – SD.
2. The system should give the Differential count as Lymphocytes, Mid population & Neutrophils/Granulocytes While Mid population should include Eosinophils, Basophils and Monocytes.
3. The system should be capable of processing samples at a speed of 60samples/hour.

4.The system should be Sample Rotary Value (SRV) or equivalent based for the precise sample aliquoting for dilutions.
5. The system should have large LCD display to have a review of all the results along with the three histograms of WBC, RBC and PLT on the screen.
6. The system should have around 200 samples test result memory.
7. The system should have autoprobe wiper to clean the sample probe automatically after sample aspiration.
8. The system should use non-cyanide based reagent for Hb estimation.
9. The system should have an option to print the results with or without histograms also with the option to print only basic 8 parameters.
10. The system should use the proven and approved "volumetric Metering" system of cell counting, for WBC"s, RBC"s & PLT"s for high precision of the results and stability of the calibration.
11. The system should have a system of count and aperture monitoring every 0.5 sec for precision and reliability of the counts.
12. The system should have automatic floating thresholds for the correct separation of RBC's and PLT's during overlap in cases of Microcytosis / large platelet.

13. The system should also have additional facility for manual discrimination in order to process veterinary sample.
14. System should not require any daily maintenance except daily shutdown.
15. The system should automatically give an alarm to the operator for doing the maintenance.
16. The system should use high intensity LED for Hb estimation and not the lamp.
17. The system should be open and reagent from other company can also be used
18. Should be supplied with barcode reader for sample identification.
19. All reagents required should be available locally from the Company or its authorized distributor. Cost of consumables shall be considered in financial comparison. Two vials each of 3 level quality controls (ie total 6 vials) should be provided for initial training and validation of instrument.
21. Should be supplied suitable windows based or equivalent platform computer system of latest configuration with UPS, color laser printer, 21" TFT/LCD color monitor.
20. Firm will have to supply the UPS with 30 min back up along with the equipment free of cost
21. Electrical: The equipment should be able to run on the existing electrical provision
22. Should be IVD certified, European CE or USFDA approved product.
23. Regular supply of reagents & spares should be provided for 10 to 15 years.
24. Bidder should quote for price of reagents for 5 years. **Price to be offered separately**
25. Timely service should be provided.

Item No.23
Lithoclast Master (Combined Pneumatic & Ultrasonic Intracorporeal Lithotriptor)

1. This should have a generator for both ultrasound and pneumatic (ballistic) integrated in the same machine
2. It should be possible to deliver these energies by separate probes and headpieces
3. It should be possible to integrated both probes into the same handpiece so that both ultrasound and pneumatic energies can be delivered simultaneously to the stone
4. The probes and handpieces should have simultaneous suction facilities
5. The suction should be connectable to existing hospital wall suction or stand alone suction units
6. There should be a container for collecting stone fragments
7. There should be a facility to allow cooling of the probe during use of ultrasonic energy

8. The unit should be supplied with a variety of probes in sizes that are suitable for use with the entire available range of nephroscopes and ureteroscopes of all sizes and lengths. The probes and handpieces should be suitable for scopes from all manufacturers

9. The unit should be supplied with an ergonomic foot pedal control that allows separate or concurrent use of both energies

10. In the event of malfunction of the pneumtic generator of the machine it should be connectable to an external source of compressed air/gas

11. It should be possible to finely regulate that energy/power of both energies

12. It should be possible to regulate the repetition rate of the pneumatic lithortriptor

13. The probes and handpieces should be sterilizable by liquid, gas and autoclaving

Item No.24
PNCL SET

I. PNCL 20 Fr.

1. Operating telescope with laterally offset eyepiece, 12 degs, 14 Fr. instrument channel, automatic valve with sealing Membrane and sealing cap - 01
2. Sheath 20,8 Fr. round, distal tip straight, with swiveling irrigation Connector and automatic locking mechanism - 01
3. Amplatz sheath 24,3 Fr. suitable for nephroscopes with Sheath up to 24 Fr., WL 150 mm - 01
4. Obturator, hollow - 01
5. Telescope dilator 9-27 Fr. consisting of: 1 hollow guide rod 6 Fr. and 7 telescope dilators 9- 27 Fr. - 01
6. Dilator 30 Fr. to fit over 27 Fr. dilator out 01
7. Stone grasping forceps, diam. 3.5 mm, working length 350 mm - 01
8. Three-pronged stone grasper, diam. 3.5 mm, WL 350 MM - 01
9. Stone forceps rigid, finely serrated jaws “peanut shape” 01

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

High Definition Camera

1. Should have high definition video with 1280 x 1024 native output.
2. Standard Aspect Ratio 4:3
3. Over 1000 Lines Resolution with Progressive Scan
4. Electronic Flexiable Scope Filter
5. Multi Specialty Settings
6. Automatic Brightness Control
7. Full Digital Siginal Processing
8. Digital Zoom & Multi step Image Enhancer
9. White Balance, Digital Zoom and Brightness Level Control on Camera Head.
10. RGB,DVI,S-VIDEO & Composite Outputs

Xenon Light Source

1. 220 Volts, 300 watts Xenon Bulb with Elliptical Bulb Design, High color temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for color retention, Monitoring of lamp function. Bulb Life Counter on Light Source, Standby Mode, Universal Jaw Assembly to adapt any make of Fiber Optic Cable, Light intensity adjustment continuously adjustable from 0 to 100% manually.
2. Fibre optic light Cable

High Definition Monitor

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

Item No.25
CUSA (ULTRASONIC ASPIRATOR)

1 Description of Function

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

2 Operational Requirements

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

3 Technical Specifications

3.1 Surgical aspirator should be based on magneto-restriction or piezoelectric technology.

3.2 The hand piece must be cooled if required to prevent overheating by flow of water.

3.3 The hand piece should be autoclavable and **can dismantled completely for cleaning with no inaccessible channels to trap tissue**

3.4 The vacuum pump should provide preferable the suction of > **580mm of Hg.**

3.5 It should have safety features like optical signal for failed hand pieces and signal for failed unit.

3.6 It should have on and off button.

3.7 It should have integral suction with vacuum pressure of-20 to -90 Kpa. in continuous low noise and digital display.

3.8 It should preferably have 1.5 -2.5 liter capacity container of unbreakable material with level sensor and anti-overflow system.

3.9 Compatible Hand piece should be light, preferable **20-40 KHz**

3.10 Handpiece with changeable tips- standard, micro precision & bone sculpting (short and long angled options) – 1 each All tips.

3.11 The irrigation pump should be inbuilt in the unit, the irrigation **output 0-25cc/min or more.**

3.12 All hand pieces/ instruments should be detachable.

4 System Configuration Acessories,Spares and Consumables

4.1 ACCESSORIES:

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

5 Environmental Factors

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

5.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

5.3 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. or should comply with 89/366/EEC; EMC-directive.

6 Power Supply

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

7 Standards,Safety & Training

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

7.2 Should be compliant with IEC 61010-1:(or any international equivalent e.g. EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use

7.3 Should be US – FDA/ European CE approved product

7.4 Comprehensive training for 2 surgeon and 2 assistant services till familiarity with the supplied system.

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection.

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

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

8.5 Comprehensive Warranty 5 Years and CMC 5 Years

8.6 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

Item No.26
Neuro Endoscope system of Neurosurgery

1 Description of Function

1.1 Neuroendoscope is a small device that allows the identification of the anatomy of the brain's ventricular system. It aids the neurosurgeon in placing the shunt

2 Operational Requirements

2.1 Neuro-endoscope should be lightweight and dedicated to Neurosurgery cranial work.

3 Technical Specifications

3.1 Connecting piece for fixation for operating sheath to endoscope holder- 1 no.

3.2 Wide angle forward oblique telescope 30 deg., enlarged view, dia, 4mm length 18cm autoclavable fiberoptic light transmission incorporated, preferably color-coded.

3.3 Operating sheath preferably with valve, Outer Dia. 6.5 mm with graduated scale with lateral stopcock and inlet for catheter, with obturator and obturator for stereo-tactic positioning- 1no.

3.4 Sheath insert for use of 30 deg., 70 deg. diagnostic telescope through operating sheath - 1 no.

3.5 Scissors, single action jaws, pointed, diameter 2-2.5mm length 30cm - 1 no.

3.6 Biopsy forceps - 1 no.

3.7 Grasping forceps with teeth fine size- 1 no.

3.8 Biopsy punch forceps single action jaws fine size working length 28cm - 1 no.
Instruments should preferably be rotating type

3.9 Puncture needle- 1 no.

3.10 Irrigation tube autocalvable with luer lock connection- 1 no.

3.11 Coagulating electrode, bipolar 5 fr - 1 no.

3.12 Bipolar cord - 4 no.

3.13 Straight forward telescope 0 deg., enlarged view, autoclavable, with angled eyepiece, with instrument channel dia.3mm fiberoptic light transmission incorporated, preferably color coded.

3.14 Universal table holder, multi-articulated should have three or more joints with 360deg. of freedom with holding device.

3.15 High Definition camera with integrated image processing module, color systed: Pal, power supply: 100-240 VAC, 50/60 Hz, including: 3 chip camera head with integrated parfocal zoom lens, Camera control unit with integrated image processing module, connecting cable length 180 cm, connecting cable set length 180cm, Keyboard, 2 connecting cables, for connecting video-printers or recorders- 1 no.

3.16 Xenon light source 300watt with color temperrature 6000 K light intensity manually controlled - 1 no.

3.17 Fiberoptic light cable, dia. 3.5 mm length 230cm- 1 no.

3.18 Main cord for color monitor compatible with Sony Trinitron Vega monitor

3.19 Cautery cable should be compatible with Aesculap cautery GN.060

3.20 Any other components essential for its functioning.

3.21 Sterilization tray with silicon cushion pads.

3.22 Mobile cart

3.23 Diagnostic (observation) telescope for assisted surgery 0 deg., 30deg. And 70 deg.

3.24 The endoscope should be topline or equivalent

4 System Configuration Accessories, spares and consumables

4.1 System as specified

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%

5.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

6 Power Supply

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

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

7 Standards, Safety and Training

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

7.2 Should be compliant with IEC 61010-1:(or any international equivalent eg EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use

7.3 Should be USFDA or European CE approved product

8 Documentation

8.1 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.

Item No.27
NEUROSURGICAL & SPINAL SURGERY INSTRUMENTS

NEUROSURGICAL & SPINAL SURGERY INSTRUMENTS

A. SPECIFICATION FOR CRANIOTOMY SET (Neurosurgery)

	SCAPLE HDL No 3 STAND -2Nos
	SCAPLE HDL No 7 LONG -2Nos
	SCAPLE HDL No 4 STND -2Nos
	DEAVER SCRS SIR 14CM -4Nos
	MAYO SCRS STR 17CM -4Nos
	MAYO SCS CVD 17CM -4Nos
	METZENBAUM SCRS STR 18CM -4Nos
	ADSON DRESS FCPS 12CM SERR -4Nos
	ADSON TISSUE FCPS 12CM 1X2T -8Nos
	CUSHING DRESS FCPS 18CM SERR -8Nos
	CUSHING TISSUE FCPS 18CM 1X2T-8Nos
	CUSHING BAYONET FCPS 18.5CM SERR -4Nos

	CUSHING BAYONET FCPS 18.5CM 1X2T -4Nos
	FRAZIER SUCT TUBE 10FR ANG 12.5CM-8Nos
	HALSTED MOSQ FCPS 12.5CM STR-8Nos
	HALSTED MOSQ FCPS 12.5CM CVD-8Nos
	DANDY HEMOST FCPS 14CM CVD SIDEWAYS-48Nos
	BACKHAUS TOWEL CLAMP 13CM-12Nos
	FOERSTER SPONGE FCPS 24 CM STR-4Nos
	CUSHING VEIN HOOK 10X10 MM BLADE-4Nos
	FRAZIER DURA &SKIN HOOK 12.5CM-4Nos
	JANSEN RETR 3X3 PRG BL 10CM-4Nos
	WEITLANER RETR SH PRG 20CM-4Nos
	LUER BONE RONG CVD 17CM-4Nos
	LEMPERT RONG 16CM CVD-4Nos
	STILLE LUER BONE RONG STR 23CM-4Nos
	STILLE LUER BONE RONG CVD 23CM-4Nos
	DEVILBISS CRANIAL RONG 21CM-4Nos
	SPURLING RONG 15CM/4X10MMSTR-4Nos
	SPURLING RONG 15CM/4X10MM UP-4Nos
	OLDBERG IVD RONG 20CM/6MM-4Nos
	SCHMIEDEN SCRS 16CM-4Nos
	DAVIS SPATULA MALLE 16MM 19CM-4Nos
	CUSHING SPOON SPATULA 17CM-4Nos
	OLIVECRONA SPATULA 11& 13MM STR-4Nos
	OLIVECRONA SPATULA 15 & 18MM STR-4Nos
	FRAZIER SEPARATOR 15CM-4Nos
	FRAZIER VENTRICULAR NEEDLE 2MMX10CM-4Nos
	DANDY NERVE HOOK STR-4Nos
	CUSHING DECOMPRESSION PETR-4Nos
	HUDSON CEREBELLA EXTENSION ONLY-4Nos
	HUDSON BURR 16MM-8Nos

	MCKENZIE HELICOID DRILL 13MM-4Nos
	ADSON DRILL GUIDE
1	**GIGLI WIRE SAW HDLS LOOP PAIR-4Nos**
2	**DE MARTEL WIRE SAW GUIDE-8Nos**
3	**RANEY SCALP CLIP P/10-4 Dozen**
4	**RANEY SCALP CLIP FCPS4 Dozen**
5	**PENIELD DISSECTOR 1D/E-4Nos**
6	**PENIELD DISSECTOR 2D/E-4Nos**
7	**PENIELD DISSECTOR 3D/E-4Nos**
8	**PENIELD DISSECTOR 4D/E-4Nos**
9	**Raney scalp clip applicator -2 Nos.**
10	**Trephine with adjustable dura guard.**
	MICRO-NEUROSURGICAL SET
1	**JACOBSON MICRO FCPS 18CM- 2Nos.**
2	**MICRO FCPS CVD 19.5CM DULL- 2Nos.**
3	**MICRO FCPS SERR 1.0MM 19CM- 2Nos.**
4	**MICRO FCPS SERR 1.0MM- 2Nos.**
5	**MICRO FCPS BAYONET BROAD STR 18.5CM- 2Nos.**
6	**MICRO FCPS BAYONETBROAD ANG 18.5CM- 2Nos.**
7	**SUCT & IRRIG TUBE 1- 2Nos.**
8	**SUCT & IRRIG TUBE 2- 2Nos.**
9	**SUCT & IRRIG TUBE 3- 2Nos.**
10	**YASARGIL MICRO SCRS 19CM STR - 2Nos.**
11	**YASARGIL MICRO SCRS 19CM CVD - 2Nos.**
12	**YASARGIL MICRO SCRS 19CM STR- 2Nos.**
13	**YASARGIL MICRO SCRS 19CM CVD- 2Nos.**
14	**YASARGIL NH 18.5CM- 2Nos.**
15	**YASARGIL NH 18.5CM- 2Nos.**
16	**YASARGIL BASPATORYIMM ANG- 2Nos.**
17	**YASARGIL DISSECTOR2.5MM ANG- 2Nos.**

18	YASARGIL DISSECTOR 4MM ANG- 2Nos.
19	YASARGIL ELEVATOR LIGHT CVD- 2Nos.
20	YASARGIL ELEVATOR STRONG CVD- 2Nos.
21	JACOBSON BALL TIP PROBE ANG- 2Nos.
22	JACOBSON DOUBLE PROBE- 2Nos.
23	KRAYENBUEHL NERVE HOOK LARG- 2Nos.E
24	KRAYENBUEHL NERVE HOOK SMALL- 2Nos.
25	YASARIL TISSUE LIFTER 1MM- 2Nos.
26	YASARIL TISSUE LIFTER 1.5MM- 2Nos.
27	JACOBSON SUT PUSHER- 2Nos.
28	YASARGIL LIG GUIDE SHORT CVD- 2Nos.
29	YASARGILLIG GUIDE LONG CVD- 2Nos.
30	YASARGIL LIG GUIDEANG 90*- 2Nos.
31	YASARGIL KNIFE FWD- 2Nos.
32	YASARGIL KNIFE BWD- 2Nos.
33	YASARGIL CURETTEE OVAL CUP- 2Nos.
34	YASARGIL RASPATORY CVD- 2Nos.
35	YASARGIL RASPATORY CVD FWD- 2Nos.
36	YASARIL RASPATORY CVD BWD- 2Nos.
37	MICRO GRASP FCPS STR SHORT JAWS- 2Nos.
38	MICRO GRASP FCPS STR LONG JAWS- 2Nos.
39	MICRO GRASP FCPS STR- 2Nos.
40	MICRO FCPS CUP JAWS- 2Nos.
41	MICRO SCRS RT ANG BLADES -2Nos.
42	MICRO SCRS STR- 2Nos.
43	YASARGIL MICRO FCPS BAYONET 18CM DULL- 2Nos.
44	YASARGIL MICRO FCPS BAYONET 1X2D 18CM- 2Nos.
45	YASARGIL MICRO FCPS BAYONET DW CVD 20CM- 2Nos.
	Aneurysm set
1	SUPPL SET FOR ANEURYSM (YASARGIL TITAN) - 2Nos.

2	**YASARGIL CLIP APPLYING FORCEPS, MINI- 2Nos.**
3	**APPLICATOR TITAN MINICLIPS 15" CUR 90MM- 2Nos.**
4	**YASARGIL CLIP APPLYING FORCEPS STANDARD- 2Nos.**
5	**APPLICATOR TITAN STD CLIP 15" CUR 90MM- 2Nos.**
6	**WITHDR FORC.F.YASARGIL MINI CLIPS 205MM- 2Nos.**
7	**WITHDR FORC.F.YASIRGIL STD CLIPS 205MM- 2Nos.**
8	**YASIRGIL CLIP TEMP 7.0265MM BLADE LG(Titanium)- 2Nos.**
9	**YASIRGIL CLIP TEMP 11.0MM BLADE LG (Titanium)- 2Nos**
10	**YASIRGIL CLIP TEMP 6.5MM BLADE LG (Titanium)- 2Nos**
11	**YASIRGIL CLIP TEMP 10.2MM BLADE LG (Titanium)- 2Nos**
12	**YASIRGIL CLIP TEMP 6.4MM BLADE LG (Titanium)- 2Nos**
13	**YASIRGIL CLIP TEMP 8.0MM BLADE LG (Titanium)- 2Nos**
14	**YASIRGIL CLIP TEMP 8.4MM BLADE LG (Titanium)- 2Nos**
15	**YASIRGIL CLIP TEMP 13.7MM BLADE LG (Titanium)- 2Nos**
16	**YASIRGIL CLIP TEMP 9.0MM BLADE LG (Titanium)- 2Nos**
17	**YASARGIL CLIP STANDARD TEMPORARY 6.1MM (Titanium)- 2Nos**
18	**YASARGIL CLIP STANDARD TEMPORARY 7.0MM (Titanium)- 2Nos**
19	**YASARGIL CLIP STANDARD TEMPORARY 7.0 MM (Titanium)- 2Nos**
20	**YASARGIL CLIP STD TEMPORARY 11.4MM (Titanium)- 2Nos**
21	**YASARGIL CLIP MINI TEMPORARY 3.0MM (Titanium)- 2Nos**
22	**YASARGIL CLIP MINI TEMPORARY 5.0MM (Titanium)- 2Nos**
23	**YASARGIL CLIP MINI TEMPORARY 5.0MM (Titanium)- 2Nos**
24	**YASARGIL CLIP MINI TEMPORARY 7.0MM (Titanium)- 2Nos**
25	**YASARGIL CLIP MINI TEMPORARY 2.8MM(Titanium)- 2Nos**
26	**YASARGIL CLIP MINI TEMPORARY 4.7MM(Titanium)- 2Nos**
27	**YASARGIL CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos**
28	**YASARGIL CLIP MINI TEMPORARY 5.2MM(Titanium)- 2Nos**
29	**YASARGIL CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos**
30	**YASARGIL CLIP MINI TEMPORARY 3.9MM(Titanium)- 2Nos**
31	**YASARGIL CLIP MINI TEMPORARY 5.0MM(Titanium)- 2Nos**

32	**YASARGIL CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos**
33	**YASARGIL CLIPS STD PERMANENT 7MM(Titanium)- 2Nos**
34	**YASARGIL CLIPS STD PERMANENT 11MM(Titanium)- 2Nos**
35	**YASARGIL CLIPS STD PERMANENT 6.5MM(Titanium)- 2Nos**
36	**YASARGIL CLIPS STD PERMANENT 10.2MM(Titanium)- 2Nos**
37	**YASARGIL CLIPS STD PERMANENT 6.4MM(Titanium)- 2Nos**
38	**YASARGIL CLIPS STD PERMANENT 8.0MM(Titanium)- 2Nos**
39	**YASARGIL CLIPS STD PERMANENT 8.4MM(Titanium)- 2Nos**
40	**YASARGIL CLIPS STD PERMANENT 13.7MM(Titanium)- 2Nos**
41	**YASARGIL CLIPS STD PERMANENT 9MM(Titanium)- 2Nos.**
42	**YASARGIL CLIPS STD PERMANENT 6.1MM(Titanium)- 2Nos**
43	**YASARGIL CLIPS STD PERMANENT 7MM(Titanium)- 2Nos**
44	**YASARGIL CLIPS STD PERMANENT 7MM(Titanium)- 2Nos**
45	**YASARGIL CLIPS STD PERMANENT 11.4MM(Titanium)- 2Nos**
46	**YASARGIL MINI CLIPS PERMANENT 3MM(Titanium)- 2Nos**
47	**YASARGIL MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos**
48	**YASARGIL MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos**
49	**YASARGIL MINI CLIPS PERMANENT 7MM(Titanium)- 2Nos**
50	**YASARGIL MINI CLIPS PERMANENT 2.8MM(Titanium)- 2Nos**
51	**YASARGIL MINI CLIPS PERMANENT 4.7MM(Titanium)- 2Nos**
52	**YASARGIL MINI CLIPS PERMANENT 4MM(Titanium)- 2Nos**
53	**YASARGIL MINI CLIPS PERMANENT 5.2MM(Titanium)- 2Nos**
54	**YASARGIL MINI CLIPS PERMANENT 4MM(Titanium)- 2Nos**
55	**YASARGIL MINI CLIPS PERMANENT 3.9MM(Titanium)- 2Nos**
56	**YASARGIL MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos**
57	**YASARGIL MINI CLIPS PERMANENT 4MM(Titanium)- 2Nos**
58	**STORAGE FOR 65 TRIAL CLIPS -2 Nos.**
59	**POLYVAC STORAGE F TITANCLIP APPLY FORC-2 Nos.**
	TRANSPHENOIDAL INSTRUMENTS
1	**CUSHING LANDOLT SPECULUM FOR TRANS-SPHENOIDAL HYPOTHYSECTOMY BLACK FINISH SIZE 70MMX15MM SS-2 Nos.**

2	**CUSHING LANDOLT SPECULUM FOR TRANS-SPHENOIDAL HYPOTHYSECTOMY BLACK FINISH SIZE 90MM X 15MMMM SS-2 Nos**
3	**CUSHING LANDOLT SPECULUM FOR TRANS-SPHENOIDAL HYPOTHYSECTOMY BLACK FINISH SIZE 110MM SS-2 Nos**
4	**HARDY IMPLANT FORK 9 ¾" LONG,BAYONET SHAFT,SHARP RIGHT SS-2 Nos.**
5	**HARDY IMPLANT FORK 9 ¾" LONG,BAYONET SHAFT,BLUNT RIGHT SS-2 Nos.**
6	**HARDY ENUCLEARTOR FORK 9 ¾" LONG,BAYONET SHAFT,BLUNT LEFT SS-2 Nos.**
7	**LANDOLT RASPATORY BAYONET SHAFT 10 ¼" LONG, SHARP ROUND TIP 2.2 MM DIA ,SS-2 Nos.**
8	**LANDOLT RASPATORY BAYONET SHAFT 10 ¼" LONG, SHARP ROUND TIP 3.2 MM DIA ,SS-2 Nos.**
9	**LANDOT MICRO BLUNT HOOK, BAYONET SHAFT,10 ¼" LONG,SHARP ROUND TIP 2.2MM DIA SS-2 Nos.**
10	**LANDOT MICRO BLUNT HOOK, BAYONET SHAFT,10 ¼" LONG,SHARP ROUND TIP 3.2MM DIA SS-2 Nos.**
11	**LANDOT MICRO BLUNT HOOK,BAYONET SHAFT,10 ¼" LONG SHARP ROUND TIP 2.2MM DIA ,SS-2 Nos.**
12	**LANDOLT DISSECTOR ,BAYONET SHARPED 10 ¼ " LONG TIP CURVED DOWN 2 MM WIDE ,SS-2 Nos.**
13	**LANDOLT DISSECTOR ,BAYONET SHARPED 10 ¼ " LONG TIP CURBED 2 MM WIDE ,SS-2 Nos.**
14	**LANDOLT DISSECTOR ,BAYONET SHARPED 10 ¼ " LONG TIP CURVED DOWN 2 MM WIDE,SS-2 Nos.**
15	**LAND DISSECTOR BAYONET SHARPED 10 ¼"LONG TIP CURBED 2MM WIDE, SS-2 Nos.**
16	**LAND DISSECTOR BAYONET SHARPED 10 ¼"LONG TIP CURVED 2MM WIDE, SS-2 Nos.**
17	**FAHLBUSCH MINICRO CURETTE,BAYONET SHAFT 10 ¼" LONG SS-2 Nos.**
18	**FAHLBUSCH MINICRO CURETTE,BAYONET SHAFT 10 ¼" LONG 2.5MM,90DEG ANGLES SS-2 Nos.**
19	**FAHLBUSCH MINICRO CURETTE,BAYONET SHAFT 10 ¼" LONG 2.5MM,45DEG ANGLES SS-2 Nos.**
20	**HARDY RING CURETTE,BAYONET SHAFT,10 ¼" LONG 90 DEG 3MM DIA SS-2 Nos.**
21	**HARDY RING CURETTE,BAYONET SHAFT,10 ¼" LONG 90 DEG 4MM DIA SS-2 Nos.**
22	**HARDY RING CURETTE,BAYONET SHAFT,10 ¼" LONG 90 DEG 5MM DIA SS-2 Nos.**
23	**HARDY PITUITAY SPOON BAYONET SHARPED 9 ½" LONG 4 ¾" WORKING LENGTH,SS-2 Nos.**
24	**UNIVERSAL BAYONET HANDLE WITH LOOKING NUT 12CM LONG SS WITH-2 Nos.**

25	**DISSECTOR ROUND ,2.5MM,LENGTH 14.5CM,SS-2 Nos.**
26	**DISSECTOR ROUND ,3.5MM,LENGTH 14.5CM,SS-2 Nos.**
27	**DISSECTOR ROUND ,5.0MM,LENGTH 14.5CM,SS-2 Nos.**
28	**TUMOR KNIFE LENGTH 14.5CM STAINLESS STEEL-2 Nos.**
29	**RING CURETTE,45 DEG ANGLE 3/4MM LENGTH 14.5CM SS-2 Nos**
30	**RING CURETTE,45 DEG ANGLE 5/6MM LENGTH 14.5CM SS-2 Nos**
	CLOWARD INSTRUMENTATION FOR GRAFT
1	**CLOWARD CERVICAL RETRACTOR WITH SINGLE HINGED ARMS 10” LONG,TOTAL**
	OPENING 4 ½”,SS WITH SET OF 5 SHARP & 5 BLUNT BLADES-1 Nos.
2	**CLAWARD CERVICAL RETRACTOR WITH DOUBLE HINGED ARMS 10” LONG TOTAL**
	OPENING 4 ½” SS WITH 5 SHARP AND 5 BLUNT BLADES COMPLETE SET-1 Nos.
3	**CLAWARD CERVICAL RETRACTOR SMALL 6” TOTAL OPENING 3 ¾” SS WITH 5 SHARP AND**
	BLUNT BLADES COMPLETE SET-1 Nos.
4	**CLAWARD VERTEBRAL SPREADER WITH RATECHET 5” LONG TOTAL OPENING ¾”-1 Nos.**
5	**CLAWARD CROSS BARR HANDLE INSIDE DIAMETER 7/8” SS -1 Nos.**
6	**CLWARDS DOWEL CUTTER 12MM STAINLESS STEEL-2 Nos.**
7	**CLWARDS DOWEL CUTTER 14MM STAINLESS STEEL-2 Nos.**
8	**CLWARDS DOWEL CUTTER 16MM STAINLESS STEEL-2 Nos.**
9	**CLWARDS DOWEL CUTTER 18MM STAINLESS STEEL-2 Nos.**
10	**CLOWARDS CENTER PIN FOR USE WITH 12MM DOWEL CUTTER SS-2 Nos.**
11	**CLOWARDS CENTER PIN FOR USE WITH 14MM DOWEL CUTTER SS-2 Nos.**
12	**CLOWARDS CENTER PIN FOR USE WITH 16MM DOWEL CUTTER SS-2 Nos.**
13	**CLOWARDS CENTER PIN FOR USE WITH 18MM DOWEL CUTTER SS-2 Nos.**
14	**CLOWARDS DOWEL CUTTER SHAFT DT 6 ½” LONG SS-2 Nos.**
15	**CLOWARDS DOWEL EJECTOR 4 ½” LONG SS-2 Nos.**
16	**CLOWARDS DOWEL HANDLE AND IMPACTOR 7” LONG SS-2 Nos.**
17	**CLOWARDS DOWEL HOLDER 14MM SS-2 Nos.**
18	**CLOWARDS DOWEL HOLDER 16MM SS-2 Nos.**
19	**CLOWARDS DOWEL HOLDER 18MM SS-2 Nos.**

20	**CLOWARDS DOWEL HOLDER 20MM SS-2 Nos.**
21	**CLOWARDS CERVICALDRILL TIP 10MM SS-2 Nos.**
22	**CLOWARDS CERVICALDRILL TIP 12MM SS-2 Nos.**
23	**CLOWARDS CERVICALDRILL TIP 14MM SS-2 Nos.**
24	**CLOWARDS CERVICALDRILL TIP 16MM SS-2 Nos.**
25	**CLOWARDS CERVICALDRILL GUARD WITH GBONE RELIEF,4 1/16" LONG SMALL SIZE,13MM DIA SS-2 Nos.**
26	**CLOWARDS CERVICALDRILL GUARD WITH GBONE RELIEF,4 1/16" LONG SMALL SIZE,16MM DIA SS-2 Nos.**
27	**CLOWARDS CERVICALDRILL GUARD CAP 1 1/14" LONG 1" DIA SS**
28	**CLOWARDS DRILL SHAFT WITH DEPTH STOP 5 9/16" LONG,SMALL SIZE 13MM DIA SS-2 Nos.**
29	**CLOWARDS DRILL SHAFT WITH DEPTH STOP 5 9/16" LONG,SMALL SIZE 16MM DIA SS-2 Nos.**
30	**CLOWARDS OSTEOPHYTE ELEVATOR 8" LONG SS-2 Nos.**
31	**CLOWARDS DEPTH GAUGE 8 3/8" LONG SS-2 Nos.**
	CLOWARDS GUARD GAUIDES DOUBLE ENDED 7 ½" LONG 3/8" & ½" SS-2 Nos.
1)	**Note – Should be US-FDA/ European CE Approved Product.**
2)	**Should be of stainless steel (surgical grade)**
	The name of manufacturer and part number must be mentioned on each instrument. Also it should be mentioned in technical offer. Bidder has to supply the complete set.

B. Specification for Spine Surgery Set (Neurosurgery)

	Spinal Instruments
	SCAPEL HDL NO 3 STAND -2Nos.
	SCAPEL HDL NO 7 LONG -2 Nos.
	SCAPEL HDL NO 4 STAND-2 Nos.
	DEAVER SCRS STR 17CM-2 Nos.
	MAYO SCRS STR 14CM-4 Nos.
	MAYO SCRS CVD 17CM-4 Nos.
	METZENBAUM SCRS STR 18CM-4 Nos.
	DRESS FCPS 14.5CM STAND-4 Nos.
	DRESS FCPS 20CM STAND-4 Nos.

	TISSUE FCPS 14.5CM 1X2T STAND-8 Nos.
	TISSUE FCPS 20CM 1X2T STAND-8 Nos.
	CUSHING TISSUE FCPS 18CM 1X2T-8 Nos.
	CUSHING DRESS FCPS 18CM SERR-8 Nos.
	CUSHING BAYONET FCPS 18.5CM SERR-8 Nos.
	CUSHING BAYONET FCPS 18.5CM 1X2T-8 Nos.
	FRAZIER SUCT TUBE 10FR ANG 12.5CM-4 Nos.
	FRAZIER SUCT TUBE 12FR ANG 12.5CM-4 Nos.
	MAYO HEGAR NH 15CM-4 Nos.
	HALSTED MOSQ FCPS 12.5CM STR-8 Nos.
	HALSTED MOSQ FCPS 12.5CM CVD-8 Nos.
	CRILE RANKIN HEMOST FCPS 1X2T 16CM CVD-4 Nos.
	BACKHAUS TOWEL CLAMP 13CM-12 Nos.
	FOERSTER SPONGE FCPS 24CM STR-6 Nos.
	CUSHING VEIN HOCK 10X10MM BLADE-4 Nos.
	VOLKMANN RETR 4 PRG BL-4 Nos.
	HIBBS PETR TOOTHED EDGE SET/2-2 Nos.
	WEITLANERPETR SH PRG 20CM-4 Nos.
	BACKMANN ADSON PETR 4X4PR/25MM SH-8 Nos.
	LANGENBECK ELEVATOR NARROW 7MM-4 Nos.
	LANGERBECK ELEVATOR WIDE 10MM-4 Nos.
	CUSHING ELEVATOR 15MM ROUNDED EDGE-4 Nos.
	BERGMANN MALLET SOLID METAL 57DG-4 Nos.
	VOLKMANN BONE CURETTEE 3/D STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 00 STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 0 STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 1 STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 2 STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 3 STR 23CM-4 Nos.
	VOLKMANN BONE CURETTEE 4 STR 23CM-4 Nos.

	VOLKMANN BONE CURETTEE 5 STR 23CM-4 Nos.
	VOLKM PENIELD DISSECTOR 1D/E ANN BONE CURETTEE 6 STR 23CM-8 Nos.
	LUER BONE RONG STR 17CM-4 Nos.
	STILLE LUER BONE RONG CVD 23CM-4 Nos.
	STILLE LUER BONE RONG CVD 23CM-4 Nos.
	LEKSELL RONG 8MM JAWS-4 Nos.
	LISTON STILLE BONE FCPS 27CM STR-4 Nos.
	LISTON KEY BONE FCPS 27CM ANG-4 Nos.
	ALLIS TISSUE FCPS 15CM 5X6T-12 Nos.
	KERRISON SP RONG 15CM/5MM 90* UP-4 Nos.
	KERRISON SP RONG 15CM/5MM 90* DW-4 Nos.
	KERRISON(SCHLES) RONG 15CM/5MM 90* UP-4 Nos.
	LOVE GRUENWALD RONG 18CM/3X10MM DW-4 Nos.
	SACHS NERVE SEPARATOR 20CM-4 Nos.
	DANDY NERVE HOOK STR-4 Nos.
	SCOVILLE NERVE ROOT PETR ANG-4 Nos.
	SCOVILLE HEMILAMINECTOMY PETR CPL-2 Nos.
	HAVERFIELD SCOVILLE HEMILAM PETR CPL-2 Nos.
	SCOVILLER BLADE TOOTHED 25X 65MM-4 Nos.
	SHUNT SET
	SCALPEL HDL NO3 STAND-2 Nos.
	SCALPEL HDL NO 7 LONG-2 Nos.
	MAYO SCRS STR 14CM-4 Nos.
	METZENBAUM SLIM SCRS STR 14CM-8 Nos.
	MICRO ADSO TISS FCPS 12CM 1X2T-8 Nos.
	ADSON BROWN TISSUE FCPS STR 7X7-8 Nos.
	CUSHING DRESS FCPS 18CM SERR-8 Nos.
	CUSHING TISSUE FCPS 18CMX2T-8 Nos.
	GERALD DRESS FCPS 18CM SERR-8 Nos.
	FRAZIER SUCT TUBE 10FR STR 12.5CM-4 Nos.

	MAYO HEGAR NH 15CM-4 Nos.
	DIETHRICH BUKKDOG CLAMP CVDJAW 8MM-4 Nos.
	HALSTED MOSQ FCPS 12.5CM STR-8 Nos.
	HALSTED MOSQ FCPS 12.5CM CVD-8 Nos.
	CRILE HEMOST FCPS 14CM STR-8 Nos.
	CRILE HEMOST FCPS 14CM CVD-8 Nos.
	KOCHER FCPS 1X2T 14CM STR-8 Nos.
	BACKHAUS TOWEL CLAMP 8.5CM-8 Nos.
	BALENGER SPONGE FCPS18CM STR-4 Nos.
	SENN MILLER PETR SH-4 Nos.
	ALM PETR 4X4 PRG SH 7CM-8 Nos.
	JANSEN PETR 3X3 PRG BL 10CM-4 Nos.
	WEITL BECKMAN PETR SH 20CM-4 Nos.
	VOLKMANN BONE CURETTE 4STR 23CM-4 Nos.
	JANSEN BONE RONGEUR 4MM WIDE 17.5CM-7" -4 Nos.
	ALLIS TISSUE FCPS 15CM 5X6T-8 Nos.
	PENFIELD DISSECTOR 3D/E-4 Nos.
	PENFIELD DISSECTOR 4-4 Nos.
	CUSHING DECOMPRESSION PETR-4 Nos.
	RANEY SCALP CLIP FCPS-4 Nos. Dozen
	RANEY SCALP CLIP FCPS-4 Nos. Dozen
	BUNELL HAND DRILL-4 Nos.
1)	**Note – Should be US-FDA/ European CE Approved Product.**
2)	**Should be of stainless steel (surgical grade).**
3)	**Bidder has to supply the complete SET**

Item No. 28	**Operating Microscope**
Magnification	Microscope should have Zoom 6:1, motorized
Working distance	Variable working distance range of from 200 -470 mm motorized, manual or via autofocus adjustable speed.
Focusing	Motorized as well as Manual via multifocal lens
Eye piece	Wide –field eyepiece for spectacle wearers 10x/21B or 12.5X
Objective	Multifocal 200mm-470mm working distance
Illumination	300W Xenon lamp through fiber optic cable and emergency back up illumination
Power Supply	Should have two completely independent lamp illumination systems with Two separate power supplies.
Control unit	LCD display, menu with up to 10 user defined setting
Binocular tube	Variable angle of observation with focal length=200mm adjustable inter-pupillary distance, 0-180 deg binocular tubes for main surgeon as well as opposite & side observer
Magnification	1.2x-12.8x with 10x eye piece
Field of View	16.5mm-180mm with 10x eyepiece
Automatic Iris Control	Microscope should have automatic iris control to match the field of view.
IGS(Image guided Surgery)	Upgradable with Neuro navigation system for IGS(MRI,CT Images)
Focus Light Link	Automatically limits brightness
Hand grips	Controls for microscope zoom adjustments, controls for variable working distance & focus via multifocal lens.
Balancing	Should have manual A&B balancing for optics carrier
Stand	Floor stand with large wheel for transportation.
Over Head Design	Over Head design, Height not less than 1900 mm
Safety features	1.All cables should be integrated in the stand for protection
	2. Should have automatic working distance controlled light intensity to avoid tissue burn.
	3. Should have automatic magnification controlled illumination. Size of diameter automatically works with zoom to avoid unnecessary exposure to light.
Accessories	
Side observer	Should have side observer tube.

Camera	Should have HD camera with HD monitor
Recorder	Should have HD recording Systems
Certification	Should be US FDA/European CE Approved

Item No. 29
Pneumatic Neuro drill with accessories

1 Description of Function

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

2 Operational Requirements

2.1 Should run on N2 /gas/ compressed air.

3 Technical Specifications

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

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

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

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

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

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

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

3.8 Quick coupling attachment should be available.

3.9 Sterilization through Flash or Regular steam autoclave.

3.1 Perforator driver with cutter should be available.

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

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

3.13 Irrigation pump should be available.

4 System Configuration Accessories, spares and consumables

4.1 Quote all Accessories including:

HANDPIECES (for micro Neuro surgical):

1 Straight hand piece short—1 no

2 Straight handpiece Medium—1 no

3 Straight handpiece long –1 no

4.2 CRANIOTOMY ATTACHMENT:

1 Craniotome handpiece 01

2 fixed duraguard adult 01

3 Fixed duraguard pediatrics 01

4.3 CRANIOTOME CUTTER (Bits):

1 Craniotome cutter (bits) pediatrics 20

2 Craniotome cutter (bits) adult 20

4.4 PERFORATOR:

1 Perforator driver 01

2 Cranial perforator, 9X12mm, Hudson type 02

3 Cranial perforator, 6/9mm, Hudson type 02

4 Hudson chuck 01

4.5 BURRS:

1 Rosen burr for medium hand piece 10

2 Diamond burr for medium hand piece 10

3 Diamond burr for large hand piece 5

4 Barrel burr for medium hand piece 10

5 Barrel burr for large hand piece 5
6 Acorn burr for small hand piece 10
7 Pin Point burr for medium hand piece 25
8 Twist drill for small hand piece 10

4.6 STORAGE AND MAINTENANCE:

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

5 Environmental factors

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

6 Power Supply

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

7 Standards, Safety and Training

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

Item No. 30
Cardio ablator for Maze Procedure (ARRYTHMIA ABLATION DEVICE)

1. It should be simple to set up and easy to use.
2. Source of energy should be Radiofrequency
3. The device can be used epicardial/endocardial.
4. It should be able to be programmed for timing the procedure and provide a time limit cut off.
5. It should be able to be cut off energy at High as well as Low impedance situations as a safety feature after providing a warning signal.
6. It should be able to adjust the fixed wattage depending upon the Atrial wall tissue thickness.
7. It should be time saving.
8. It should be supplied with ten accessory ablation devices of various sizes.
9. System should be programmed to create lesion step by step in all the three layers of cardiac tissue.
10. Ablation system should be pre-programmed with complete algorithm to create transmural lesion which should be reproducible.
11. Electrode tip can be used for deeper and effective transmural lesions with low impedance and minimal charring.

12. Performance report, from institutions which have installed this device, to be provided as and when required.

13. It should be US FDA or European CE approved.

14. Cost of disposables (Ablation probes both epicardiac and endocardiac) required for 200 procedures, should be quoted by the bidder. **Price to be offered seperately**

Item No. 31
ELECTRIC OPERATED DRILL SYSTEM & SAW

1 Description of Function

1.1 Drilling machines are used in a number of **orthopaedic surgical procedures**, for example, in making holes in bones for bone screws and in drilling out the medulla or marrow areas of bones.

2 Operational Requirements

2.1 Electric driven, autoclavable, versatile, forward & reverse mode with oscillating saw handpieces

Following are the general guidelines – it should be able to perform orthopaedic procedures of drilling , intramedullary reaming, sawing etc.

3 Technical Specifications

3.1 Driving unit:- Includes motor, sturdy stand with wheels

3.2 Flexible shaft:- Minimum length-2 meters Autoclavable quick connection

3.3 Hand Piece for Drill:- Cannulated Autoclavable Pistol Type
- Speed-1200 to 1500 RPM.
- Jacob chuck.
- Quick coupling chuck (Synthesis type).
- Hudsons chuck.
- Chuck for K-wire.
- Forward & Reverse options.

3.4 Hand Piece for Reamers :- Cannulated Autoclavable Pistol Type
- Speed-400 RPM minimum.
- Chuck for cannulated Reamers.
- Forward & Reverse options.

3.5 Hand Piece for Saggital Saw:- Autoclavable Pistal Type
- Easy Attachments of blades (without Instrument)
- 2 Blades each of different size used routinely in Orthopaedic surgery (Total No, 10).
- ACL Blades (**price to be quoted separately)**

4 System Configuration Accessories, spares and consumables

4.1 As specified

5 Environmental factors

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

5.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

6 Power Supply

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

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

6.3 Resettable overcurrent breaker/ any other protection device shall be fitted for protection

7 Standards, Safety and Training

7.1 Should be European CE or US FDA approved. Manufactures/Supplier should have ISO certificate to Quality Standard.

7.2 Should be compliant with IEC 61010-1:(or any international equivalent eg EN/UL 61010) covering safety requirements for electrical equipment for measurement control and laboratory use

7.3 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection.

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

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

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 description of the hospital technician and company service engineer should be clearly spelt out.

Item No.32
MULTIPARA MONITOR with ICP Monitoring

Technical Specification:

- Minimum 12 inches multi colored LCD/TFT display.
- Separate CPU/Module rack/pods/New modular technology.
- Eight digital and waveforms/traces display
- Multi-channel (up to 12 leads) ST segment analysis.
- Facility to monitor and display - ECG, Respiration, NIBP, SpO2, Temp, ETCO2 with capnography (optional), ICP monitoring..
- Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
- EtCO2 –**(Optional – Price to be quoted separately)**Main stream or side stream or micro stream. Display both inspired and expired values, showing capnography.
- Trend of at least 48 hours.
- 200 nos. event recall/snapshot facility both manually and automatically triggered by alarm.
- Automatic Zoom In Facility in the monitor display.
- Communications with Information Management Systems & Central station.
- Inbuilt Dual channel strip chart recorder.

System Configuration Accessories, spares and consumables

- ECG/Resp: 5 Lead ECG Cable with clip- 2 sets per monitor and 10 Lead ECG Cable with clip- 1 set per monitor.
- NIBP: Adult cuff- 2nos. per monitor and two sizes of pediatric cuffs- one per monitor (complete sets)
- Reusable SPO2: Adult SPO2 sensor with cable- two nos. per monitor and Pediatric SPO2 sensors- one no. Per monitor.
- Temperature: Rectal temperature probe- two per monitor and skin temperature probe- one per monitor.
- ICP: ICP module with all required accessories.
- EtCO2 module with all accessories. In case of side stream EtCO2-10 sets of sampling tubes for each module to be included **(Optional – Price to be quoted separately)**
- Necessary mounting solution/ mounting on any pendant for monitors

Environmental factors

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

Power Supply

- Power input to be 220-240VAC, 50Hz fitted with Indian plug
- Monitor should have minimum one-hour battery back up. Standards, Safety and Training
- Should be US FDA or European CE approved product
- Manufacturer/Supplier should have ISO certification for quality standards.
- 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.
- Back to back warranty to be taken by the supplier from the principal to supply spares for a minimum period 10 years.

Documentation

- User Manual in English
- Service manual in English

- 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 important spare parts and accessories with their part number and costing.
- Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Item No. 33
INTRA OPERATIVE NEURO (Nerve) - MONITORING SYSTEM

- Portable 16 channel amplifier with 44 available inputs system
- Any channel can be freely configured as differential and referential, through software to meet any IOM requirements
- 4 independently controlled high level stimulators driving 12 stimulator sites and 1 dedicated low level stimulator.
- Sample rate/ channel should be 12,000 Hz or better.
- Must allow simultaneous acquisition i.e. able to record SEP and AEP with EEG, CSA, EMG simultaneously.
- Facility for stimulation and monitoring of Facial Nerve and other cranial nerves, both bipolar and monopolar (1 piece each should be supplied).
- Peripheral nerve stimulator should be provided.
- Facility to arrange data waveform stacks simultaneously.
- Amplifier sensitivity 10 μ v to 100mV.
- Electrode impedance digital display on screen
- The system must be supplied complete with:
    a) Auditory stimulator (Tubal insert Head phone)
    b) LED goggles 2 to be supplied
    c) Isolated Electrical Stimulator for cranial and peripheral nerves
    d) Laser Printer for records to be supplied
    e) Appropriate capacity UPS to be supplied
- Neuro monitoring start up kit must include all requisite accessories, cables, electrodes etc. namely but not limited to:

a)	Extension Cables	06	Nos.
b)	Reusable Cup Electrodes (Gold or Silver)	12	Nos.
c)	Disposable Subdermal Needles	60	Nos.

d)	Reusable Ground Plate Electrodes	04	Nos.
e)	Disposable Ground Plate Electrodes	24	Nos.
f)	Electrode Linkers	04	Nos.
g)	Reusable Bar Electrode	02	Nos.
h)	Ten 20 Paste	05	Nos
i)	Nu Prep Gel	05	Nos
j)	Strip electrodes for electrocorticography	20	Nos

- Laptop with latest Intel Core i5, 4 GB RAM, 320 GB or better Hard drive, DVD writer, Window based system must be provided.
- Should be US FDA/European CE approved.

Item No. 34
Cell Saver

1 Description of Function

1.1 The Cell Saver system reprocesses blood for the patient and separates it into blood cells and plasma. Used in Surgical procedures in which there is rapid bleeding or high volume blood loss. It can also separate and remove clotting agents for the plasma. In this manner, blood may be prepared for long term storage or may be re-infused back into the patient during surgery. This reduces the need for blood from donors.

2 Operational Requirements

2.1 Manual & Automatic operation

2.2 Compact, portable design

3 Technical Specifications

3.1 Spinning centrifuge

3.2 Built-in programming

3.3 Built-in safety features

3.4 Sound volume control

3.5 Automatic protocols

3.6 Set up guide

4 System Configuration Accessories, spares and consumables

4.1 System as specified-

4.2 Bidders should quoted for price of disposable required for 5 years – **Price to be offered seperately**

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

5 Power Supply

5.1 Suitable UPS of rating with spike protection, voltage regulation and for 60 minutes back up.

7 Standards, Safety and Training

7.1 Should be US FDA or European CE approved product

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

8 Documentation

8.1 User/Technical/maintenance manuals to be supplied in English.

Item No. 35
Flexible Rhino-Pharyngo Laryngoscope

1. Lightweight and fully immiscible in disinfectant solution
2. Working length: 300-400mm
3. Outer diameter: 3.5mm to 5.0mm
4. Instrument channel diameter – 1.5 -2.0mm
5. Deflection range – Up 130-180deg / Down 90-130 deg
6. Direction of view: 0 deg
7. Field of view 80 deg to 110 deg
8. Depth of field 2mm to 55mm
9. Should include the following accessories:

a. Reusable and autoclaveable biopsy forceps (1.5 to 1.8mm diameter)
b. Reusable and autoclaveable grasping forceps (1.5 to 1.8mm diameter)
c. Pressure compensation cap
d. Cleaning and maintenance kit (brushes)
e. Leakage tester
f. Mouth piece
g. Transport case

10. Cold light source – 175 Xenon lamp, light source, voltage 230V, lamp – with reflector type of lenses – condenser type, variable light intensity with heat absorbing filter, constant colour, 1 spare xenon lamp and spare fuse

11. Fiber optic light cable size 4.8mm, length 250cm, heat resistant, compatible with the above scope and light source
12. Camera – Three chip camera system with sensitivity 1.5 Lux with 220 V console, camera head and focusing coupler, resolution 500 horizontal lines, signal to noise ration 55dB, white balance control on camera head, inbuilt image enhancer, flex filter to use flexible scope
13. Medical grade color monitor
14. Offered Model should be European CE or USFDA approved.

Item No. 36
Pulse Oximeter

1) Compact portable bedside pulse oximeter with LCD display.

2) **Continuous monitoring of SpO2 (arterial blood oxygen saturation) , pulse rate and signal strength(nellcor/masimo technology)**
3) Measuring range :
   a. Spo2 : 10 to 100% minimal graduation 1%
   b. Pulse rate : Pulse rate : 20 to 240 bpm, minimal graduation 1 bpm
4) Accuracy SpO2 : 50 to 69% (± 3%), 70 to 100 % (±2%)
5) Display shows: SpO2(%), HR(bpm) , it will be PR, add Plethymograph & perfusion bar) and signal wave
6) The motion artifact should be minimal
7) **Large bright display(More than 5 inch) readable from more than 6 feet distance**
8) User preset of high/low alarms on SpO2 and pulse rate monitoring
9) Audio visual alarm for SpO2 and pulse rate in case measurements are outside preset range
10) Silencing feature for audio alarm
11) Display reports system errors, probe failure and built in battery status
12) Automatic switch from mains to batteries in case of power failure
13) Power requirements : 220 V/ 50Hz and internal re-chargeable battery (autonomy at least. 2 hrs, automatic recharge)-
14) Power consumption : 50 W
15) Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted, further details see "Technical Provisions")
16) It should be European CE/ US FDA approved product.
17) It must show spo2 value for low perfusion patients.
18) Should have RS 232C port for data transmission.
19) Signal averaging time 4 to 12 sec.

Submitted with:
· 5 x reusable SpO2 sensors neonate, clip-on type.
· Patient extension cable -2 Nos.
· 5 x reusable SpO2 sensors(finger type) for children and adolescents
· 10 x spare set of fuses

Item No. 37
Resuscitation trolley with accessories

1. A portable high quality resuscitation cart:
   a. Cart should be made up of steel with epoxy paint (30 micron thickness) which can withstand fumigation.
   b. 4 big antistatic castors with brakes for easy mobility with a diameter of not less than 120mm.
   c. Should have provisions to hang flexible fiberscope.
   d. Open shelf for light source of bronchoscope.
   e. All drawers should be lockable.
   f. Number of drawers should be not less than four

g. Size of drawer should be big enough to accommodate airway equipment in height, weight & depth
h. Size of the cart should not be less than 1400 x 460 x 670 mm.
i. Should have rail –mounted mains electrical 4- way adapter.
j. It should capable of storage resuscitation kits & accessories.
k. Should be FDA/CE/BIS approved product.

Item No. 38
VIDEO-LARYNGOSCOPE

1. Straight forward telescope 15deg, dia.4mm, length 17cm, autoclavable, 45 deg angled eye piece with fiber optic light transmission incorporated
2. Video laryngoscope for adults
   a. Length 18cm
   b. Enlarged proximal opening
   c. Curved distal tip specially designed to elevate the epiglottis and optimal placement of anterior commisure
   d. Flatted surface of blade to prevent damage to teeh
   e. Telescope guide tube inserted into the lumen with adapter for telescope for use with distal illumination light carrier or proximal light tip
   f. Vapour suction tube
   g. Laryngoscope holder
3. Video laryngoscopes for adolescents and adults
   a. Working length 17cm
   b. Enlarged proximal opening
   c. Curved distal tip specially designed to elevate the epiglottis and optimal placement of anterior commisure
   d. Flatted surface of blade to prevent damage to teeth
   e. Telescope guide tube inserted into the lumen with adapter for telescope for use with distal illumination light carrier or proximal light tip
   f. Vapour suction tube
   g. Laryngoscope holder
4. Medical grade color monitor compatible with the above scope
5. Cold light source, Xenon, cold light source fountain Xenon 300 with one 300 watt xenon lamp and one light outlet. Power supply 220-240VAC, 50 Hz. Consisting of Xenon 300W, mains cord and One extra bulb of Xenon 300W
6. Fiber optic light cable, 250cm length compatible with above scope & light source
7. Digital endoscopic camera system 3chip/HD system
8. Offered model should be European CE and/or USFDA approved.

Item No. 39

Defibrillator with Internal Paddles

1 Description of Function

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

2 Operational Requirements

2.1 Defibrillator should be Bi- Phasic, light weight and latest model

2.2 Should monitor vital parameters (ECG, Heartrate and SPO2) and display them

2.3 Should print the ECG on thermal recorders.

2.4 Should work on both Manual and Automated external defibrillation (AED) in biphasic mode atleast 200 J or more. The maximum energy delivered by the device should be at 200J in Manual mode and 150J in AED mode. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedence compensation as mentioned below.

2.5 Should be capable of doing synchronized & asynchronized cardioversion

2.6 Can be operated from mains as well as battery

2.7 Should have defibrillator testing facility

2.8 Demonstration of the equipment is a must

3 Technical Specifications

3.1 Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to arrest all arrhythmia within a maximum energy of 200 Joules.

3.2 Should monitor ECG through external paddles, pads and monitoring electrodes and defibrillate through pads and paddles. Should have Automatic Lead switching to see patient ECG through paddles or leads

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

3.4 Should have a built in printer/ thermal recorder

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

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

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

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

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

3.10 Should be capable of printing Reports on Event summary, configuration, self-test, battery capacity etc

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

3.12 Should have inbuilt facility to monitor ECG and SPO2.

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

3.14 Should have user friendly 1,2,3 color coded operation.

3.15 External pacing facility

4 System Configuration Accessories, spares and consumable

4.1 Defibrillator -01

4.2 Paddles Adult and Pediatric – 2 set

4.3 Complete set of ECG leads with mother cables – 2 set

4.5 Reusable SPO2 soft finger probe adult and pediatric – 2 Nos. each size

4.6 Internal paddles adult & pediatric – 2 Nos. each size

4.7 Disposable multifunction pad of AED and External pacing -100

4.7 Cost of disposables, accessories and consumables should be fixed for next five years.

5 Environmental factors

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

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

6 Power Supply

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

7 Standards, Safety and Training

7.1 Should be USFDA and/or European CE approved product

8 Documentation

8.1 User Manual in English

8.2 Service manual in English

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

8.4 Certificate of calibration and inspection from factory.

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

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

8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

8.8 Must submit user list and performance report within last 5 years from major hospitals

Item No. 40
Portable Ventilator

1 The portable ventilator is used to transport a patient with artificial respiration support or home care of a patient after discharge from a hospital

2 Operational Requirements

2.1 The portable ventilator should be light weight (< 10 kg)

2.2 Should be microprocessor controlled, portable, light weight. Should operate with main electric supply as well as with battery. Should be able to work both with high pressure O2 (cylinders and pipeline) and low pressure O2 source, connectors and high-pressure tubing of appropriate length to be supplied

2.3 Demostration of the equipment is a must

3 Technical Specifications

3.1 Should have turbine/ venturi/jet mixing/piston- technology for supplying airoxygen Mixture

3.2 Should have following modes of ventilation: CMV, Assist-contol, SIMV, PSPEEP

3.3 Audio-visual alarms for

a. Low supply pressure
b. High/low airway pressure
c. Leakage/disconnection
d. Power failure
e. Apnea
f. Low battery

3.4 Should have following settings

a. TV 50 – 1500ml
b. "PEEP/CPAP- 0-40cm H2O PS- 0-60cm H2O"
c. RR up to 40bpm
d. I: E ratio 1:3 to 2:1
e. FiO2 21 – 100%

3.5 Battery backup for minimum 3 - 6 hours.

3.6 Should fix, on rails of transport trolley and on stand with wheels

4 System Configuration Accessories, spares and consumables

4.1 Portable Ventilator-01

4.2 Adult Reusable /Autoclavable Silicon Patient Circuit-02

4.3 Paediatric Reusable/Autoclavable Silicone Patient Circuit-02

4.4 Oxygen Hose-01

4.5 Air Hose-01

4.6 Rechargeable Batteries- 01 set

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%

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

5.3 Shall meet IEC-60601-1-2 :200(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility

6 Power Supply

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

7 Standards, Safety and Training

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

7.2 Product should be US FDA or European CE approved.

7.3 Product should have Airworthiness RTCA DO-160 D, section 7,8,21 and Vibration standard MIL STD 810F, method 514.5 certifications. (Preferable)"

7.4 Manufacturer should have ISO certification for quality standards.

7.5 Comprehensive warranty for 2 years and provision of CMC for next 5years.

8 Documentation

8.1 User Manual in English

8.2 Service manual in English

8.3 Certificate of calibration and inspection from factory.

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

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

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

Item No. 41
Dental Chair (High End)

1 **Description of Function**

1.1 Dental Chair is the dental chair required for dental and surgical procedures.

2 **Operational Requirements**

2.1 Physiological dental chair operated by electricity

3 **Technical Specifications**

3.1. It should have double articulated head rest.

3.2. It should have two 3 way syringes (tip autoclavable, with 6 spare tips) one on unit side and other on the assistant side.

3.3. It should have one high speed Air Rotor terminal with water control on coupling supplied with handpieces.

3.4. It should have one high speed fiber-optic air-rotor terminal with handpiece

3.5. One fiber optic micro motor with one fiber optic contra angle hand piece with internal spray and one straight hand piece with internal spray.

3.6. It should have LED light cure unit on unit sides (Min. Intensity 1200 mW/cm2)

3.7. It should have one in-built Piezon LED (fiber-optic) Ultrasonic Scaler with 4 scaler tips.

3.8. It should have infection control system with non-retraction valves (Bio System/ equivalent)

3.9. All handpieces/terminals should be kept on Autoclavable pads. 6 spare autoclavable pads should be supplied

3.10. Arm of unit should be pneumatically locked

3.11. All air tubing of the delivery system can be disinfected internally after every dental procedure

3.12. Removable auxillary tray (stainless steel)

3.13. It should have latest foot operated minimum dual intensity LED Light (35,000 LUX)

3.14. It should have Rotatable Water System with removable spittoon

3.15. It should have Medium Vacuum Suction and High suction (Motorised Suction)

3.16. It should have following programmes –

- Two programmable working positions
- Spitting and last working position with light ON and OFF automatically
- Return to Zero position with light OFF automatically
- It should have option to Lock the movements of chair
- It should have emergency stop control
- Programmable Bowl water and Cup filler water

3.17 It should have LED based X-ray viewer

3.18. It should be provided with right arm (options for Fixed, Lateral 90 degree swivel available)

3.19. It should have multifunctional foot control base (fixed or mobile)

3.20. It should be provided with one doctor's stool and one assistant's stool with adjustable height & backrest tilt including an adjustable ring for foot rest.

3.21. Upholstery of the chair has to be removable for cleaning.

4 **System Configuration Accessories, spares and consumables**

4.1 System as specified

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

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg 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%.

5.3 Complete installation & Demonstration of the equipment required after supply.

6 Power Supply

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

7 Standards, Safety and Training

7.1 Should be US-FDA/ European CE approved product (copy of certificate should be submitted along with the bid).

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection.

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

Item No. 42
Head light with Xenon cold light source

Head light with following features

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

Xenon light fountain 300 watt bulb with Turret to adjust different cable types Stand for light fountain

Any other accessory essential for functioning of Equipment
All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Item No. 43
CO2 laser system

1.	CO_2 Laser [redacted] Models And All Accessories	CO_2 [redacted] Models			30 / 40 / 30 ST / 40 ST (ST = with SurgiTouch system)
		Laser Type			CO2 Laser, sealed-off, DC excited
		Wavelength			10.6 micron, infrared
		Mode Structure			TEMoo
		Laser Operating Modes			Continuous Wave (CW), Pulser, SuperPulse
		CW Power			1 – 30 W / 1 - 40 W
		SuperPulse Average Power			0.5 – 10 W / 0.5 - 15 W (Timed: 0.2 – 10 W / 0.2 – 15 W)
		Pulser Average Power			Peak Power: 300 W / 350 W
		Pulser Average Power			1 – 25 W / 1 - 35 W
				Power (W)	On Time (sec) / Off Time (sec)
		Tissue exposure models (Model : Acu plus 40 (30))	Continuous	1.0 – 4.5 5.0 – 40 (30)	N.A. / N.A.
			Single pulse	1.0 – 4.5 5.0 – 40 (30)	0.05 – 1.00 0.01 – 1.00 / N.A.
			Repeat pulse	1.0 – 4.5 5.0 – 40 (30)	0.05 – 1.00 0.01 – 1.00 / 0.01 – 1.00 0.01 – 1.00
		Controls			Multi-color touch panel – high resolution, footswitch
		Aiming Beam			5 mW red diode laser, 635 nm, adjustable intensity, blink on/off
		Beam Delivery			Lightweight, carbon fiber, 7-joint, spring balanced arm, 120 cm (47.2") reach, 360 deg. rotation
		Memory Settings			Min. 100
		Cooling			Self-contained, closed cycle
		Electrical			100 - 240 VAC, 10A (Max), 50/60 Hz
		Dimensions			37 cm W x 40 cm D x 119 cm H; (14.6" W x 15.8" D x 47" H)
		Weight			49 kg (108 lbs)
		Standards			CE, UL

Item No. 44

Micromotor Dermabrader with accessories

Micromotor Derma Brader and all accessories	• Input voltage 220-240 VAC 50Hz. • RF output power 150 wall @ E400 peak power • Output frequency 2.1 MHz • Control foot switch • Emission mode 4 • Electrode 9 type / 12 pc • Size 420x300x180 Weight 12kg

Item No. 45
Micro facial instrument set

Micro Surgery Instruments Set and all accessories	1. Micro surgery instruments box with silicon matting	• 235 x 270 x 35mm • Instrument case with tingermats of high-glade silicone rubber for up to 16 instruments. • Bottom and lid perforated with replaceable teatile filters.
	2. Venous Microforceps	• 11 cm long flat handle 8 mm wide straight tip diameter : 0.4 mm
	3. Venous Microforceps	• 12 cm long flat hamdle 9 mm wide Stringent : • Tip diameter : 0.3 mm
	4. Arterial Microforceps	• 13.5 cm long flat handle 7 mm wide stringent : • Tip diameter : 0.3 mm
	5. Arterial Microforceps	• 13.5 cm long, flat handle 9 mm wide • Angulated 45^0 • Tip diameter : 0.3 mm
	6. Arterial Microforceps	• 13.5 cm long flat handle 9 mm wide • Angulated 40^0 • Tip diameter : 0.3mm
	7. Venous Vessel dilators	• 11 cm long flat handle 9 mm wide • Angulated 10^0 • Tip diameter : 0.3 mm
	8. Arterial Vessel dilator	• 13.5 cm long • Flat handle 9 mm wide • Angulated 45^0 • Tip diameter 0.3 mm
	9. Dissecting scissors	• 10 cm long • Flat handle 7 mm wide • Curved blades 13 mm long
	10. Dissecting scissors	• 15 mm long • Flat handle 8 mm wide • Curved blades 15 mm long

11. Microscissors (Adventitial dissecting)	• 15 cm long • Round handle 8 mm diameter • Curved blades 9 mm long
12. Microscissors (Adventitial dissecting)	• 10 cm long • Flat handle 7 mm wide • Straight blades 13 mm long
13. Microscissors (Arterectory)	• 15 cm long • Flat handle 8 mm wide • Straight blades 11 mm long
14. Microscissors (Arterectory)	• 15 cm long • Flat handle 8mm wide • Straight blades 8 mm long • Angulated 45^0
15. Micro needle holders	• 12 cm long • Round handle 7 mm diameter • Tip diameter 0.4 mm • Curved with out lock
16. Micro needle holders	• 13 cm long • Round handle 10mm diameter • Tip diameter 0.5 mm • Curved without lock
17. Tube clamps	• TC – 6 – 3mm diameter • ATCC – 6 • ATCC – 66
18. Rack with silicon matting	• Rack for 8 instruments 9 to 15 cm with 1 CB – 1 clamp box
19. Vascular Clamps	• Arterial vascular clamps of various sizes (A) and Venous vascular clamps of various sizes (V) • Pressure 5 to 15gms/mm^2

	Matt plain various codes of ST&T	Swart black various codes of ST&T
ABB – 11	00414 v	0480 V
	00415 A	0479 A
ABB – 22	00416 v	00482 V
	00417 A	00481 A
ABB – 33	00418 V	00484 V
	00419 A	00483 A
B1	00396 V	00462 V
	00397 A	00461 A
B2	00398 V	00466 V
	00399 A	00463 A

		B3	00400 V	00466 V
			00401 A	00465 A
		HD – S	00325	00329
		RD – S	00286	00327
		ABB – 1	00408 V	00476 V
			00409 A	00475 A
		ABB – 2	00410 V	00476 V
			00411 A	00475 A
		ABB – 3	00412 V	00478 V
			00413 A	00477 A
		BB – 1	00402 V	00468 V
			00463 A	00467 A
		BB – 2	00404 V	00470 V
			00405 A	00469 A
		BB – 3	00406 V	00472 V
			00407 A	00471 A
	20. Clamp applying forceps	Without lock, 14cm lock For clamp size B1, B2, B3		

Item No. 46

Power instrument system with accessories

1. Universal electric consule	• 13 interchargable head module • Four unitized handpiece • 220V		
2. Electric modular instrument system	• 1000 E with foot pedal		
3. Micro drill	• 30,000 RPM. • Medium length burs guard		
4. Angled drill	• 200 angle • 30,000 kpm • Twist locking		
5. Jacobs style drill	• 1-4 mm diameter • 1670 rpm • 127 mm long		
6. Synthes style drill	• 1.1 – 3.5 mm diameter • 127 mm long • 1670 rpm		
7. Wire driver	• 1400 rpm • 0.028 to 0.062 diameter		
8. Micro sagittal saw	• 30,000 cpm • 0.010 thin blade		
9. Keyless hall style sagittal saw	• 1800 cpm • Push button • 160o arc		
10. Micro oscillating saw	• 24,000 cpm		
11. Oscillating saw	• 24000 cpm • Locking tool		
12. Reciprocating saw	• 16000 cpm		
13. Micro drill	• 30000 rpm • Burr guard		
14. Sagittal saw	• 30000 cpm • Foot pedal		
15. Hand piece	• Electric console • PAL 600E • 2mm receprocating motion • 4000 cpm		
16. Sterilization tray	• 9cmx39cmx24cm		
17. Luber lock adapter	• PAL – 700		
18.Mercedes cannula (Turbo cannulae)	Diameter	Length (cm)	Port length (mm)
	2.4mm	15cm	7.5mm
	3 mm	15cm	8mm
	3mm	30cm	8mm
	4mm	22cm	10mm

	4mm	40cm	10mm
	5mm	30cm	10mm
	5mm	22cm	10mm

Item No. 47

Skin Graft Mesher

Variable Skin Graft Mesher and all accessories (Padgett)	• Adjustment meshing drums • Skin graft carrier • Carrying container • Autoclaving container • Manual gracing ratchet • Teflon roller • Cleaning forceps

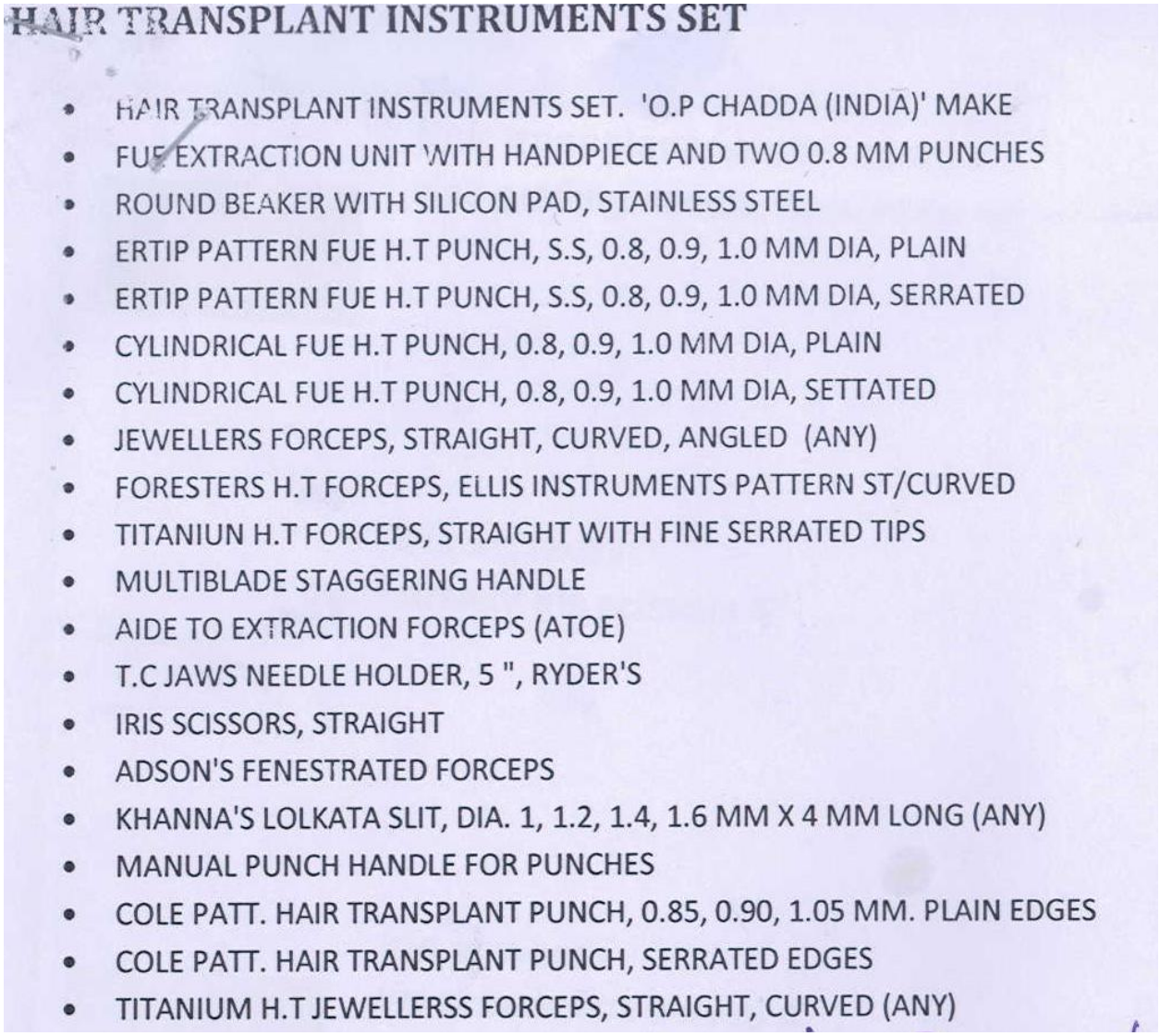
Item No. 48

Skin grafting handle with accessories

Down's Skin Grafting handle and all accessories	• Humby's type • Left handed • Right handed • Rolling blade • Autoclavable • High grade stainless steel • With adjustable graft thickness with markings • With Down's blades

Item No. 49

Hair Transplant Instrument Set



HAIR TRANSPLANT INSTRUMENTS SET

- HAIR TRANSPLANT INSTRUMENTS SET. 'O.P CHADDA (INDIA)' MAKE
- FUE EXTRACTION UNIT WITH HANDPIECE AND TWO 0.8 MM PUNCHES
- ROUND BEAKER WITH SILICON PAD, STAINLESS STEEL
- ERTIP PATTERN FUE H.T PUNCH, S.S, 0.8, 0.9, 1.0 MM DIA, PLAIN
- ERTIP PATTERN FUE H.T PUNCH, S.S, 0.8, 0.9, 1.0 MM DIA, SERRATED
- CYLINDRICAL FUE H.T PUNCH, 0.8, 0.9, 1.0 MM DIA, PLAIN
- CYLINDRICAL FUE H.T PUNCH, 0.8, 0.9, 1.0 MM DIA, SETTATED
- JEWELLERS FORCEPS, STRAIGHT, CURVED, ANGLED (ANY)
- FORESTERS H.T FORCEPS, ELLIS INSTRUMENTS PATTERN ST/CURVED
- TITANIUN H.T FORCEPS, STRAIGHT WITH FINE SERRATED TIPS
- MULTIBLADE STAGGERING HANDLE
- AIDE TO EXTRACTION FORCEPS (ATOE)
- T.C JAWS NEEDLE HOLDER, 5 ", RYDER'S
- IRIS SCISSORS, STRAIGHT
- ADSON'S FENESTRATED FORCEPS
- KHANNA'S LOLKATA SLIT, DIA. 1, 1.2, 1.4, 1.6 MM X 4 MM LONG (ANY)
- MANUAL PUNCH HANDLE FOR PUNCHES
- COLE PATT. HAIR TRANSPLANT PUNCH, 0.85, 0.90, 1.05 MM. PLAIN EDGES
- COLE PATT. HAIR TRANSPLANT PUNCH, SERRATED EDGES
- TITANIUM H.T JEWELLERSS FORCEPS, STRAIGHT, CURVED (ANY)

Item No. 50

Laparotomy Set

STANDARD BASIC LAPAROTOMY SET

2- #3 Knife Handles
2- #7 Knife Handle
1- #3 Knife Handle (long)
1- #4 knife Handle

2- Debakey Forceps
2- Tissue Forceps with Teeth
2- Adson Forceps with Teeth

4- Towel Clips
2- non-perforating towel clip
4- Mosquito Clamps
8- Kelly Clamps
4- Straight Kelly Clamps
4- Crile Clamps
4- Mayo Clamps
2- Babcock Clamps
4- Allis Clamps
4- Kocher Clamps
4- Schnidt (Tonsil) Clamps
4- Right Angle Clamps
4- Peon Clamps
2- Ring Forceps
2- Mayo-Hegar Needle Holders, 5"
2- Mayo-Hegar Needle Holders, 7"

1- Straight Mayo Scissors
1- Curved mayo Scissors
1- Metzenbaum Scissors, 7"
1- Bandage Scissors

2- Army-Navy Retractors
2- Rake Retractors
2- Richardson Retractors
2- Deaver Retractors
1- Harrington Retractor
2- Weitlaner Retractors (or Gelpi)
1- Balfour Retractor
2- Malleable Retractor

1- Yankauer Suction Tip
1- Poole Suction Tip
1- Ruler
2- Mini Zim Clips

2- Debakey Forceps, Long
2- Debakey Forceps, Extra Long
2- Cushing Forceps with Teeth
1- Singley Tissue Forceps
1- Tuttle Tissue Forceps

1- 9" Metzenbaum Scissors
1- 12" Metzenbaum Scissors
1- 9" Mayo Scissors, straight

2- Babcocks, Long
2- Right Angles, Long
2- Ring Forceps
2- Crile-Wood Needle Holder
2- Crile-Wood Needle Holders, Long
8- Peon Curved
5- Doyen Intestinal Forceps, Curved
2- Doyen Intestinal Forceps, Straight
1- Fehland Intestinal Clamp
2- Bainbridge

2- Payer Pylorus Clamps

4- Medium Large Weck Clip Appliers, Green Handled (2 short, 2 long)

1- Yankauer Suction Tip

2- Debakey Forceps, Long
2- Debakey Forceps, Extra Long

1- 9" Metzenbaum Scissors
1- 12" Metzenbaum Scissors
1- 9" Mayo Scissors, straight

4- Peans, Extra Long
2- Right Angles, Extra Long
2- Ring Forceps
2- Crile-Wood Needle Holders, Extra Long
4- Duval Lung Grasping Forceps
1- Lovelace Lung Grasping Forceps
2- Sarot Bronchus Clamps

6- Large Weck Clip Appliers, Orange Handled (2 short, 2 long, 2 long angled)

1- Matson Rib Elevator and Stripper

1- Alexander-Farabeuf Costal Periosteotome
2- Doyen Rib Elevators and Raspatories, right and left
2- Bailey Rib Contractors

1- Bethune Rib Shears
1- Geirtz Rib Shears
1- Sauerbruch Rongeur

1- Allison Retractor
1- Davidson Retractor
1- Finochietto Rib Spreader
1- Burford-Finochietto Rib Spreader, with 4 blades

1- #3 Knife Handle, Angled

2- Debakey Forceps, Long
2- Tissue Forceps with Teeth, Long
1- Tissue Forceps with Teeth, Extra Long
1- Ferris Smith Forceps
1- Russian Forceps 8"

1- 9" Metzenbaum Scissors
1- 12" Metzenbaum Scissors
1- 9" Mayo Scissors, straight
1- 9" Jorgenson Scissors

4- Kochers, Long
2 Kochers Curved Long
2- Ring Forceps Curved
2- Debakey Needle Holders, Extra Long
2- Heaney Needle Holders
6- Heaney Hysterectomy Forceps
6- Heaney-Ballentine Hysterectomy Forceps
6- Ballentine Hysterectomy Forceps
2- Schroeder-Braun Uterine Tenaculum Forceps
2- Schroeder Uterine Vulsellum Forceps
1- Collin Buxton Uterine Forceps
1- Somer Uterine Elevating Forceps

2- Heaney Retractors (right angle)
1- Turner Warwick Retractor with 6 blades

Item no. 51

Specification for Photography section

Unit 1.

DSLR System 1- Quantity 1 No.

Type : Single lense reflex camera.

- 18.1 MP Full Frame CMOS sensor or 24.5 MP FX format CMOS sensor.
- Dual DIGIC 5+ processor
- ISO range 100-51, 200 204 800
- 61 point AF (41 cross type)
- 12 lps (mirror up)
- 100 pixel RGB metering
- 3.2 inch 1.04 M dot LCD (Size may be variable)
- Magnesium alloy construction
- Advanced dust and moisture resistance
- 400,000 cycle shutter durability
- Dual CF card slot
- LP-E 4N lithium battery pack.
- **Lense :** Interchangable.
- Focus modes one shoot al servo manual
- Dual battery
- Battery charger

DSLR System 2 - Quantity 1 No.

- 22.3 MP full frame CMOS censor
- DIGIC 5+ processor
- ISO range 100-25,600 (102.400)
- 61 point AF (41 cross type)
- 6lps
- 67 Zone ifcl metering
- 3-2 inch 1.04 m dot LCD (Size may be variable)
- Magnesium alloy construction
- HDR mode
- Multiple exposure mode
- Dual card (CF + SD slots)
- Advanced full HD video recording.

Lenses:

1. Micro MPE 65 F/3.5 L macro VSM- Quantity 1 No.
2. Photo zoom canon EF 100-400 mm, F/4.5-6 l vsm- Quantity 1 No.
3. Standard zoom- EF 24 24-700 mm F 2.8 L II vsm with lense hood and u.v. filter- Quantity -1 No.

Flashgun or speed light 600 EX (8 Battery cell with charger) - Quantity -1 No.

Multy power battery pack - Quantity - 1 No.

Right angle viewing attachment- & Quantity 1 No.

Wireless remote control wireless mobile adapter- quantity-1 No.

Power bank recharge anytime /Anywhere.- quantity 1 No.

Bags DSLR Treckking Back packs.

Bag 1. Pro trecker 600 AW. - Quantity-1 No.

2-3 DSLR with attached lens . 5-7 lenses flash 2 flash upto a 15.4 widescreen laptop

Bag 2. Shoulder Bags - Quantity -1 No.

Classified 250 AW. 1-2 professional DSLR with attached lens, 2-3 additional lenses or flash , 15.4 inch notebook.

Studio Light:

Master RX :- Quantity - 1 set.

Flash energy (max) ws -600

F-stop 1m-55-90.3

Flash energy step – 5 l stop

Flash energy range (ws) – 37.600

Flash energy adjustment- 0.4-1.25

Flash duration 1/1550 s

Auto power dimming

Modeling lamp E27

Flash tube Triggering, fan cooled

Weight 1 kg – 2.05 Kg. approximately

Note: Standard kit accessories.

Photo Printer :

Printer No.1 - quantity - 1 No.

Specifications:

Print method- dye sublimation thermal transfer method

Resolution-300 dpi, Surface-glossy/matt

Print size- 5 x 3.5- 127x 89 mm (6x4, 5x7, 6x8)

Ribbon format- Ymc +over coat, Interface- USB2.0 Type B connector.

Driver compabilities- windows xp, vista(32/64 bit)

External dimension- 322 (w)x 351 (D X 2814(H)mm

Accessories: Paper tray, paper holder (6x4), power supply card CD –Rom (user manual/printer driver)

Printer No.2 - quantity - 1 No.

Specification: Ultra chrome HDR

- 10 color printing system includes all new orange and green links
- Reproduces extremely with color gamut
- Professional print performance ratings
- Optional spectro proofer
- Print resolution- 2880 x 1440 dpi
- Supports a wide range of inkjet compatible media.
- Accurate loading of cut sheet media up to 1.5 mm thick poster board.
- Size 61/112 cm (24''/ 44'')
- Use posters

Unit 2

Video camera 1 - Quantity- 1 No.

Specifications:

Full-HD Video Recording 1920 x 1080p ,5-Axis Hybrid O.I.S.+ & Level Shot Function
Intelligent Zoom / Optical Zoom : 50x / 21x ,Wide-viewing Angle : 28 mm

Dual Memory System : SD Card Slot x 2

Video camera 2 - Quantity- 1 No.

Specifications:

With 23.98P, S-Log workflow, RGB output, PL mount and a Super35 CMOS sensor, this handheld marvel provides for shallow DOF and a post path in a smaller body for creative freedom without compromise.

With lens

Film applications with 23.98 frame freq mode and S-Log workflows

Super35 CMOS sensor with PL mount adaptor

XDCAM EX's proven high-speed seamless workflow with leading NLEs

10bit 4:2:2 HDSDI output

Dual Link HD-SDI option for 10bit RGB uncompressed signal output

Note: video camera with tripod, camera bag and other required accessories.

Unit 3

Laptop - quantity - 1 No.

Specification :

1. Processor- I5
2. 4 GB RAM
3. 1 TB HardDisk

Desktop - quantity - 1 No.

Specification :

1. LCD Moniter Size: 19 inches - quantity - 1 No.
2. Processor – I5 - quantity - 1No.
3. 4 GB RAM - - quantity - 1 No.
4. 1 TB Hard Disk - quantity - 1 No.

Acessories :

With advanced version software (License copy. 1) Coral Draw 2) Photoshop 3)Illustrator 4) MS office) and other required software. quantity - 1 of each.

1) Revolving Chair- Quantity - 5 No.s
2) Computer Table - Quantity - 1 No.
3) External Hard-disk of 1 TB - Quantity - 1 No.

Unit 4

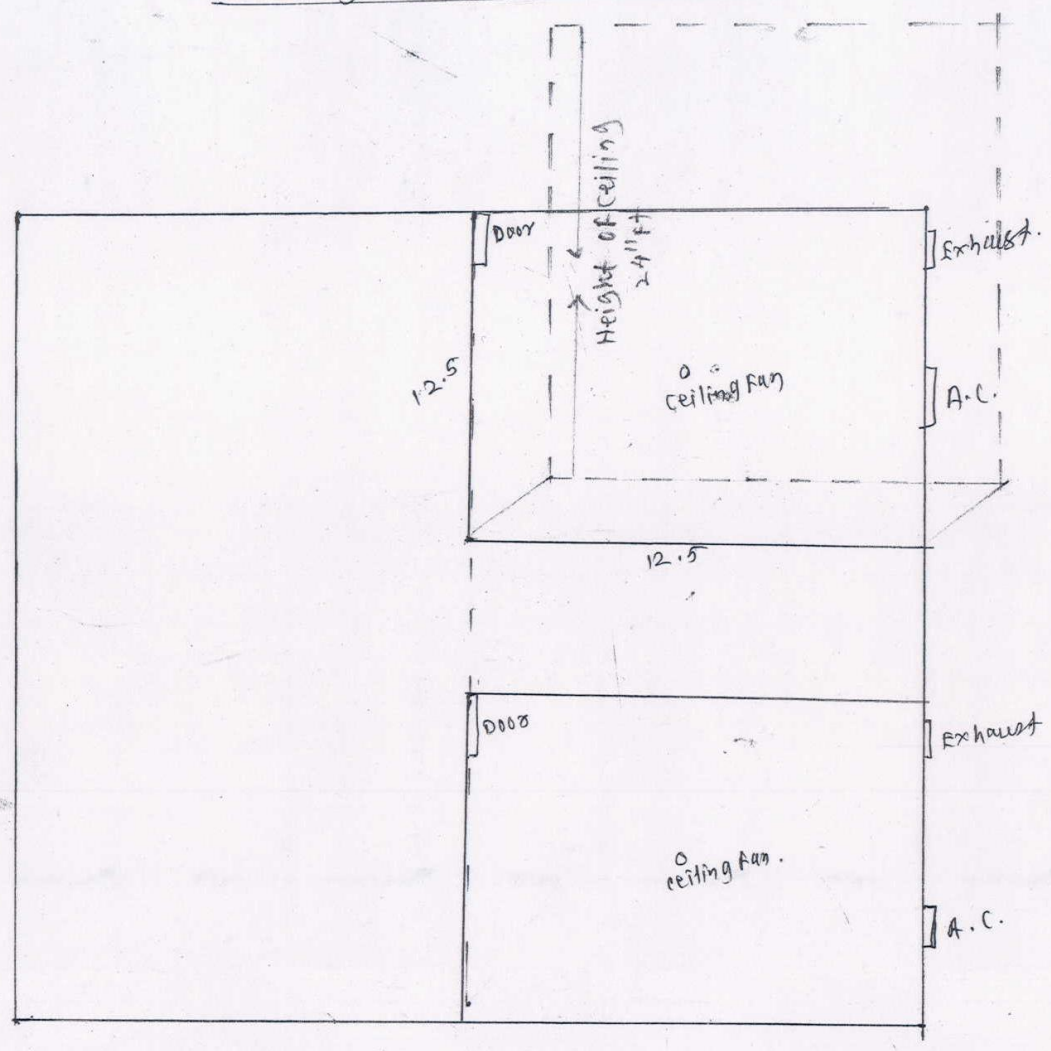
1) Camera microscope adapter - Quantity - 1 No.

Image for reference

Minor civil work:

1. Partition closing two sides with aluminum frame with glass upto ceiling size: 12x 12ft 2 rooms. Having lock and key doors in each room.
2. Split AC with capacity of 1.5 tones each with fitting. Quantity - 2 No.s
3. arrangement for keeping printer in the AC room according printer size.
4. minor electrification for installation of ACs /Printers/Laptops/Desktops.
5. ISI mark ceiling fan for room each. Total 2 Nos.

Drawing of studio partition



- Height to the ceiling is 24 ft. from Ground level.
- 3 ft from Ground Level will be covered by plywood
- Next 7 ft will be covered by Glass
- Rest of 14 ft. will be covered by plywood.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

   a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
   b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
   c) Cost of CMC will be added for Ranking/Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
   d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
   e) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
   f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
   g) All software updates should be provided free of cost during CMC.
   h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
   i) The payment of CMC will be made as stipulated in GCC Clause 21.

Turnkey:

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

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

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

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

02 Plant and machinery details

03 Manufacturing process details

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

05 Total annual turn-over (value in Rupees)

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

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

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

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

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

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

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

Note:

1. The tenderer shall give an affidavit as under:

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

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

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

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

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

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

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

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

Section – X
TENDER FORM

Date_____

To

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

Ref. Your TE document No. _____dated _____

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

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

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

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

Indian Agent:

Indian Agency Commission - ___% of FOB

Signature of Tenderer_____

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

Seal of the Tenderer_____

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

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

*** After completion of Warranty period**

NOTE:-

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

SECTION – XII
QUESTIONNAIRE

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

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

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

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

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

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

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

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

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

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

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

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

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

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

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No_____ dated_____

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

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

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

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

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

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

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

(ii) Delivery schedule

(iii) Details of Performance Security

(iv) Quality Control

(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.

(b) Designation and address of purchaser's inspecting officer

(v) Destination and despatch instructions

(vi) Consignee, including port consignee, if any

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____
Between

(Address of Head of Hospital)
And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

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

c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).

d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

f) All software updates should be provided free of cost during CMC.

g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

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

h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.

i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

j) **Paying authority:** _____ (name of the consignee i.e. Hospital authorised official)

_____

(Signature, name and address of Hospital authorised official)

For and on behalf of_____

Received and accepted this contract

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

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

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

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

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

9) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)
(Name)
(Designation with stamp)

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX
ANNEXURES

Annexure 1

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

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

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

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

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

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

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

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

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

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

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

(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA

(i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

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

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

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

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

(h) SHIPMENT FROM PAKISTAN

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

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

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

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

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

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

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

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

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

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

2. BILLS OF LADING

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

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

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

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

(ii) F.O.R SHIPMENTS

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

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

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

SECTION – XX
CHECKLIST
Name of Tenderer:
Name of Manufacturer:

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Section XIII?			
c.	In case Bank Guarantee is furnished, have you kept its validity of 165 days from Techno Commercial Tender Opening date as per clause 19 of GIT?			
2. a.	Have you enclosed duly filled Tender Form as per format in Section X?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by Directorate of Industries/NSIC			
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
5. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
b.	Have you submitted copy of the order(s) and end user satisfactory certificates as per the qualification criteria?			
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
Nagpur	Government Medical College & Hospital, Nagpur	The Dean Government Medical College & Hospital PMSSY Office Hanuman Nagar Nagpur - 440 009 Ph: 0183 257 2304	Mumbai	Mumbai

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