

GLOBAL e-TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR GOVT. MEDICAL COLLEGE & HOSPITAL, NAGPUR
UNDER PMSSY PHASE II

HLL/PCD/PMSSY-II/NAGPUR/05/14-15



BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

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SECTION I**NOTICE INVITING GLOBAL e-TENDERS (NIT)**

from

HLL Lifecare Limited**(A GOVERNMENT OF INDIA ENTERPRISE)**

Procurement & Consultancy Services Division

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FOR

GOVT. MEDICAL COLLEGE, NAGPUR

Tender Enquiry No.: HLL/PCD/PMSSY-II/NAGPUR/05/14-15**Dated 26.03.2015****NOTICE INVITING e-TENDERS (NIT)**

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, invites sealed tenders, from eligible and qualified tenderers for supply of Medical Equipment to the Govt. Medical College & Hospital, Nagpur which are getting upgraded under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase II:

Sl. No	e-Tender Ref.No (Event No.)	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
1	3000000174	Fowler Beds (Motorized)	Orthopedics	5	24	48000
			Gastroenterology - SSH	4		
			Trauma Care	10		
			Obst. & Gynaecology	5		
2	3000000175	Radiography Fluoroscopy System – 100 mA	Radiology (SSH)	1	1	60000
3	3000000176	Resuscitation Trolley with accessories	Paediatrics	4	4	8000
4	3000000177	Pulse lavage system	Orthopedics	2	2	8000
5	3000000178	Dental Chair-Fully Equipped with all attachments	Plastic Surgery	1	1	9000
6	3000000179	Pedestal Lamp	Surgery	5	5	10000
7	3000000180	Upper GI End View Gastroscope	Surgery	1	1	30000

Sl. No	e-TenderRef.No (Event No.)	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
8	3000000181	Head-Light with xenon cold-light source	Plastic Surgery	1	1	3000
9	3000000182	MicromotorDermabrader with accessories	Plastic Surgery	1	1	3000
10	3000000183	Power instrument system with accessories	Plastic Surgery	1	1	16000
11	3000000184	Skin graft mesher	Plastic Surgery	2	2	2400
12	3000000185	Skin grafting handle dourons 4 Right handed, 2 left handed	Plastic Surgery	2	2	2000
13	3000000186	Hair-transplant Instrument set	Plastic Surgery	1	1	10000
14	3000000187	Projection Microscope	Pathology	1	1	24000
15	3000000188	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
16	3000000189	Automated Hematology Analyzer —3 part differential —very high Throughput with accessories and Software upgrades for 10 years	Pathology-Laboratory Medicine	2	2	24000
17	3000000190	Dexa Scan	Medicine	1	1	24000
18	3000000191	Hemodialysis machine	Medicine	1	1	12000
19	3000000192	Holter Monitors	Medicine	1	1	6000
20	3000000193	Lithoclast Master	Urology SSH	1	1	24000
21	3000000194	C PAP system	Gynaecology	2	2	4000
22	3000000195	Central Fetal Monitoring Station	Gynaecology	2	2	40000
23	3000000196	Fundus Camera	Ophthalmology	1	1	64000
24	3000000197	Neuro Endoscope System	Neuro Surgery SSH	1	1	80000

Sl. No	e-TenderRef.No (Event No.)	Item Name	Department	Quantity	Total Quantity	EMD (Rs.)
25	3000000198	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		
26	3000000199	Operating Microscope	Neuro Surgery SSH	1	1	60000
27	3000000200	Cardio ablator for Maze Procedure	CVTS SSH	1	1	36000
28	3000000201	Drill System	Trauma Care	2	2	2000
29	3000000202	Cell Saver	Trauma Care	1	1	20000
30	3000000203	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/05/14-15**

Sl.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5000/- (Rs. Five Thousands Only)
b	Pre-bid meeting date, time& Venue	02-April-2015, 1100 hrs IST , HLL Lifecare Limited, , Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

Sl.	Description	Schedule
c	Closing date & time for submission of tender fee and EMD in physical form	22-April-2015,1700 hrs (IST) Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	23-April-2015, 1230 hrs IST
e	Time and date of opening of online bids	24-April-2015, 1230 hrs IST
f	Venue for :- <ul style="list-style-type: none"> Submission of tender fee, EMD in physical form. E-Tender Opening-Tech Bid 	HLL Lifecare Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

SPECIFIC Instructions for e-Tender Participation:-

- Bidders should have valid Class 3 Digital Signature Certificate with encryption.
- Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
- The prospective bidders have to register with the E-procurement system of HLL at <https://etender.lifecarehll.com/irj/portal>. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excepting non-working days). In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).
- Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
- The tenderers shall submit tender fee and EMD in physical form at the scheduled time and venue.**
- Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp or <https://etender.lifecarehll.com/irj/portal>.
- The submission of tender online can only be done thru' <https://etender.lifecarehll.com/irj/portal>.
- All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
- Tenderers shall ensure that their tenders, complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**

IMPORTANT NOTE :-Tender fee (Rs.5,000/-) and EMD(As applicable) should be deposited in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh on or before **24-April-2015,1700 hrs (IST)** . **Submission beyond stipulated date & time would result in REJECTION of BID.****

Head (P&CD)
HLL Lifecare Limited

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

1.3 Abbreviations:

- (i) **“TE Document”** means Tender Enquiry Document
- (ii) **“NIT”** means Notice Inviting Tenders.
- (iii) **“GIT”** means General Instructions to Tenderers
- (iv) **“SIT”** means Special Instructions to Tenderers
- (v) **“GCC”** means General Conditions of Contract
- (vi) **“SCC”** means Special Conditions of Contract
- (vii) **“DGS&D”** means Directorate General of Supplies and Disposals

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

2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.
- 2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. e-TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

8.1 In addition to Section I – “Notice inviting e-Tender” (NIT), the TE documents include:

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules

- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

9. Amendments to TE documents

- 9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.
- 9.2 Such an amendment will be notified in writing by registered/speed post or by fax/telex/e-mail, followed by copy of the same by registered post to all prospective tenderers, which have received the TE documents and will be binding on them.
- 9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of TE documents

- 10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing. **The purchaser will respond in writing to such request provided the same is received by the purchaser ON OR BEFORE THE PRE BID MEETING (unless otherwise specified in the SIT). Representation sent after the pre bid meeting date will not be taken into cognizance.**

C. PREPARATION OF e-TENDERS

11. Documents Comprising the e-Tender

- 11.1 The tender shall be submitted online **ONLY EXCEPT TENDER FEE & EMD** (in physical form) as mentioned below:
- (i) Technical Bid (Consisting of Eligibility Criteria & Technical Specifications viz. Product Specification Sheets/Brochures, OEM Certificate etc.) . Bidders may name the files indicating the nature of content in pdf format which would be required to be attached in e-tender.
 - (ii) Price Bid (To be filled up in the Proforma, Signed, Stamped, Scanned to pdf mode & attach under PRICE BID.

DO NOT’S

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

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

A) Technical Tender (Un priced Tender)

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

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

- (i) Earnest money Deposit (EMD) furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- (ii) Tender Form as per Section X (without indicating any prices).
- (iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- (iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form. **While giving authorization to agent, to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**
- (v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form.
- (vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- (vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- (viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- (ix) Certificate of Incorporation.
- (x) Checklist as per Section XX.

B) Price Bid:

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

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

Note:

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

- 11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.
- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

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

13 Tender Prices

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as "NA" by the tenderer.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules alongwith with applicable discounts (if any). However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- 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;
 - 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;
 - Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading& Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 03 months beyond date of delivery.
 - The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;

- e. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
- f. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

- a. The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
- b. Freight and insurance charges.
- 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. 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;
- e. The charges for Incidental Services, as in the List of Requirements and Price Schedule;
- f. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- g. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 **Additional information and instruction on Duties and Taxes:**

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

13.5.2 **Excise Duty:**

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

13.5.3 **Sales Tax:**

If a tenderer asks for sales tax/ VAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The sales tax / VAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax / VAT, Service

Tax and Works Contract Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

13.5.4 Octroi Duty and Local Duties & Taxes:

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.

However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

- 14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:
- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
 - b) The details of the services to be rendered by the agent for the subject requirement.
 - c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
 - d) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).
 - e) Principal/ manufacturer's original proforma invoice with the price bid

15. Firm Price

- 15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- 15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. Alternative Tenders

- 16.1 Alternative Tenders are not permitted.
- 16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.
- 16.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

17 Documents Establishing Tenderer's Eligibility and Qualifications

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
 - b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
 - c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.

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

- 18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.
- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.

18.3 If a tenderer furnishes wrong and/or misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

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

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

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

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

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

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

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

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

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

20. Tender Validity

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

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

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

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

21. Digital Signing ofe-Tender

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

D. SUBMISSION OF TENDERS

22. Submission of Tenders

- 22.1 The tender shall be submitted online only.

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

- a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
- b) Tender Form as per section X.
- c) Compliance of all terms and conditions of TED like- warranty, delivery period, delivery terms, payment terms etc
- d) Declaration regarding Fall Clause and Deregistration, debarment from any Govt. Dept/ Agencies
- e) Copy of PAN.
- f) Certificate of Incorporation/Declaration being a proprietary firm.
- g) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) in pdf format.
- h) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
- i) Quality Control Requirements as per Section VIII
- j) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
- k) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.

(ii) **PRICE BID (ONLY ONLINE).**

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence
- 27.3 Deleted
- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be rejected.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;
- (i) **The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).**
 - (ii) Tender is unsigned.
 - (iii) Tender validity is shorter than the required period.
 - (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
 - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
 - (vi) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
 - (vii) Deleted
 - (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
 - (ix) Poor/ unsatisfactory past performance.
 - (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
 - (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
 - (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
 - (xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmary/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

- 29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.
- 29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

- 33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 13.2, the tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts wherever applicable will be taken into account to determine the lowest evaluated cost for the purchaser in deciding the successful tenderer for each schedule, subject to tenderer(s) being responsive.

34. Comparison of Tenders

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

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

- 35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:
- i) In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, Service Tax, Works

Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and

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

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

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

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

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

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

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

- 37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

- 40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded 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 there in 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 be 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. **The successful tenderer should also submit Proforma Invoice from the foreign principal (if applicable as per price quote) within 21 days from the date of NOA.**

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	NA
B	8 to 10	TE documents	No Change	NA
C	11 to 21	Preparation of Tenders	Change	NA
D	22 to 24	Submission of Tenders	Change	NA
E	25	Tender Opening	No Change	NA
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	NA
G	38 to 45	Award of Contract	No Change	NA

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

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

SUBMISSION OF e-TENDERS

- (i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF format as prescribed) and uploaded for on-line submission of Proposal.
- (ii) Except Tender Fee and EMD, all document(s)/ information(s) including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.
- (iii) The prospective bidders may **scan the documents in low resolution (75 to 100 DPI)** instead of 200 DPI. The documents may be scanned for further lower resolution (if possible). This would reduce the size of the Cover and would be uploaded faster.
- (iv) The prospective bidders may upload Drawing files, if any, in **“.dwf”** format so that the size of document is less. This is a generic format and all software supports this format.
- (v) The Individual file size of uploading is restricted upto 5 MB. Bidders may upload multiple files (Not exceeding 5 MB individually) & name the files in a way, which describes the contents.

SECTION - IV**GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES**

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GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

- 2.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this TE document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 2.2 Further, the supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC sub-clause 2.1 above except for the sole purpose of performing this contract.
- 2.3 Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 2.1 above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier's performance and obligations under this contract.

3. Patent Rights

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

4. Country of Origin

- 4.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.
- 4.2 The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.
- 4.3 The country of origin may be specified in the Price Schedule

5. Performance Security

- 5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 66 months from the date of Notification of Award

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

It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form – B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

- 7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.
- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.
- 7.3 Packing instructions:

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

- a. contract number and date
- b. brief description of goods including quantity

- c. packing list reference number
- d. country of origin of goods
- e. consignee's name and full address and
- f. supplier's name and address

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.

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

- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

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

10. Transportation of Goods

- 10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

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

11. Insurance:

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

- i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis . The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.
- ii) in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months

beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

- 12.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:
- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
 - b) In case the production of the spare parts is discontinued:
 - i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
 - ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.
- 12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the goods so that the same are used during warranty and CMC period.

13. Incidental services

- 13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.
- i. Installation & commissioning, Supervision and Demonstration of the goods
 - ii. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
 - iii. Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
 - iv. Supplying required number of operation & maintenance manual for the goods

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

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract.

Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

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

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

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

B) FOR GOODS IMPORTED FROM ABROAD

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

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

15. WARRANTY

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

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

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

- Any kind of motor.
 - Plastic & Glass Parts against any manufacturing defects.
 - All kind of sensors.
 - All kind of coils, probes and transducers.
 - Printers and imagers including laser and thermal printers with all parts.
 - UPS including the replacement of batteries.
 - Air-conditioners
- c. Replacement and repair will be under taken for the defective goods.
- d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

16. ASSIGNMENT

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

17. SUB CONTRACTS

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

- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 (“Country of Origin”).

18. MODIFICATION OF CONTRACT

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
 - b) Mode of packing,
 - c) Incidental services to be provided by the supplier
 - d) Mode of despatch,
 - e) Place of delivery, and
 - f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.
- 18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

19. PRICES

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

20. TAXES AND DUTIES

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

21. TERMS AND MODE OF PAYMENT

21.1 Payment Terms

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

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

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

- a) **On delivery:**

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

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

b) On Acceptance:

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

B) PAYMENT FOR IMPORTED GOODS:

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

a) On Shipment:

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

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

b) On Acceptance:

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

c) Payment of Indigenous Goods :

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

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

e) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

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

21.4 Irrevocable & non – transferable LC shall be opened by the 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 received by the consignee or any communication from the purchaser or the consignee about non-receipt, shortage or defects in the goods supplied. I/We _____ agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment.

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
 - (ii) forfeiture of its performance security and
 - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
 - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
 - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same

before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

22.6 Passing of Property:

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

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

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

23. LIQUIDATED DAMAGES

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

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

24. TERMINATION FOR DEFAULT

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

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

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

25. TERMINATION FOR INSOLVENCY

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

26. FORCE MAJEURE

- 26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.
- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

27. TERMINATION FOR CONVENIENCE

- 27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:
- a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
 - b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. GOVERNING LANGUAGE

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

29. Notices

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

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

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

30. RESOLUTION OF DISPUTES

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)
- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.
- 30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

31. APPLICABLE LAW

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

32. Withholding and Lien in respect of sums claimed

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

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

33. GENERAL/ MISCELLANEOUS CLAUSES

- 33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.
- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the

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

- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION - VI

LIST OF REQUIREMENTS

PART - I

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty (years)	CMC
1	Fowler Beds (Motorized)	Orthopedics	5	24	5 (five)	YES
		Gastroenterology - SSH	4			
		Trauma Care	10			
		Obst. &Gynaecology	5			
2	Radiography Fluoroscopy System – 100 mA	Radiology (SSH)	1	1	5 (five)	YES
3	Resuscitation Trolley with accessories	Paediatrics	4	4	5 (five)	YES
4	Pulse lavage system	Orthopedics	2	2	5 (five)	YES
5	Dental Chair-Fully Equipped with all attachments	Plastic Surgery	1	1	5 (five)	YES
6	Pedestal Lamp	Surgery	5	5	5 (five)	YES
7	Upper GI End View Gastroscope	Surgery	1	1	5 (five)	YES
8	Head-Light with xenon cold-light source	Plastic Surgery	1	1	5 (five)	YES
9	MicromotorDermabrader with accessories	Plastic Surgery	1	1	5 (five)	YES
10	Power instrument system with accessories	Plastic Surgery	1	1	5 (five)	NO
11	Skin graft mesher	Plastic Surgery	2	2	5 (five)	YES
12	Skin grafting handle dourons 4 Right handed, 2 left handed	Plastic Surgery	2	2	5 (five)	YES
13	Hair-transplant Instrument set	Plastic Surgery	1	1	5 (five)	NO
14	Projection Microscope	Pathology	1	1	5 (five)	YES
15	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 (five)	YES

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty (years)	CMC
16	Automated Hematology Analyzer —3 part differential —very high Throughput with accessories and Software upgrades for 10 years	Pathology-Laboratory Medicine	2	2	5 (five)	YES
17	Dexa Scan	Medicine	1	1	5 (five)	YES
18	Hemodialysis machine	Medicine	1	1	5 (five)	YES
19	Holter Monitors	Medicine	1	1	5 (five)	YES
20	Lithoclast Master	Urology SSH	1	1	5 (five)	YES
21	C PAP system	Gynaecology	2	2	5 (five)	YES
22	Central Fetal Monitoring Station	Gynaecology	2	2	5 (five)	YES
23	Fundus Camera	Ophthalmology	1	1	5 (five)	YES
24	Neuro Endoscope System	Neuro Surgery SSH	1	1	5 (five)	YES
25	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 (five)	NO
		Trauma Care	1 set			
26	Operating Microscope	Neuro Surgery SSH	1	1	5 (five)	YES
27	Cardio ablator for Maze Procedure	CVTS SSH	1	1	5 (five)	YES
28	Drill System	Trauma Care	2	2	5 (five)	YES
29	Cell Saver	Trauma Care	1	1	5 (five)	YES

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty (years)	CMC
30	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 (five)	NO

Part II: Required Delivery Schedule:**a) For Indigenous goods or for imported goods if supplied from India:**

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

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

b) For Imported goods directly from foreign:

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

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

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

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

Destination/Consignee details are given in Section XXI

Section – VII
Technical Specifications

- Note 1:** Tenderer's attention is drawn to GIT clause 18 and GIT sub-clause 11.1 A (iii). The tenderer is to provide the required details, information, confirmations, etc. accordingly failing which it's tender is liable to be ignored.
- Note 2:** General: Bidders are requested to make sure that they should attach the list of equipments for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipments to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipments. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipments checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.
- Note 3:** Adequate training of personnel and non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

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

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

TECHNICAL SPECIFICATIONS
Schedule No.01

FOWLER BED

Fowler beds motorized

Specification

Adjustable Back raise, Knee raise, Trendelenberg and Reverse Trendelenberg positions through manual Crank Embossed sheet top
ABS molded, removable head-end and foot-end boards
2 position for IV attachments
1 stainless steel telescopic IV attachment
Deluxe Button press side Railings (Product Code - 0411)
4 inches /101.6 mm diameter Castors (2 with Brakes and 2 without Brakes)
Corner roller Bumpers
Pre-treated and powder coated finish
Available in full stainless steel

Schedule No. 02
Digital X Ray Machine (Mobile 100 Ma)

SPECIFICATION FOR DIGITAL X RAY MACHINE (Mobile 100 Ma) at
Superspeciality hospital , GMC Nagpur

Unit should be completely self contained with battery backup, digital mobile radiography system should be ideally suited for all routine radiology procedures, within ICCU, recovery, emergency and operative room. It should be AERB Approved.

1.DR unit:

- A.flat panel digital detector
- B.Single piece construction
- C.Effective number of pixel 2000x2000 or more

वैद्यकीय उपकरणे संस्था

बा. २०१५-१६-१७-१८-१९-२०-२१-२२-२३-२४-२५-२६-२७-२८-२९-३०-३१-३२-३३-३४-३५-३६-३७-३८-३९-४०-४१-४२-४३-४४-४५-४६-४७-४८-४९-५०-५१-५२-५३-५४-५५-५६-५७-५८-५९-६०-६१-६२-६३-६४-६५-६६-६७-६८-६९-७०-७१-७२-७३-७४-७५-७६-७७-७८-७९-८०-८१-८२-८३-८४-८५-८६-८७-८८-८९-९०-९१-९२-९३-९४-९५-९६-९७-९८-९९-१००-१०१-१०२-१०३-१०४-१०५-१०६-१०७-१०८-१०९-११०-१११-११२-११३-११४-११५-११६-११७-११८-११९-१२०-१२१-१२२-१२३-१२४-१२५-१२६-१२७-१२८-१२९-१३०-१३१-१३२-१३३-१३४-१३५-१३६-१३७-१३८-१३९-१४०-१४१-१४२-१४३-१४४-१४५-१४६-१४७-१४८-१४९-१५०-१५१-१५२-१५३-१५४-१५५-१५६-१५७-१५८-१५९-१६०-१६१-१६२-१६३-१६४-१६५-१६६-१६७-१६८-१६९-१७०-१७१-१७२-१७३-१७४-१७५-१७६-१७७-१७८-१७९-१८०-१८१-१८२-१८३-१८४-१८५-१८६-१८७-१८८-१८९-१९०-१९१-१९२-१९३-१९४-१९५-१९६-१९७-१९८-१९९-२००-२०१-२०२-२०३-२०४-२०५-२०६-२०७-२०८-२०९-२१०-२११-२१२-२१३-२१४-२१५-२१६-२१७-२१८-२१९-२२०-२२१-२२२-२२३-२२४-२२५-२२६-२२७-२२८-२२९-२३०-२३१-२३२-२३३-२३४-२३५-२३६-२३७-२३८-२३९-२४०-२४१-२४२-२४३-२४४-२४५-२४६-२४७-२४८-२४९-२५०-२५१-२५२-२५३-२५४-२५५-२५६-२५७-२५८-२५९-२६०-२६१-२६२-२६३-२६४-२६५-२६६-२६७-२६८-२६९-२७०-२७१-२७२-२७३-२७४-२७५-२७६-२७७-२७८-२७९-२८०-२८१-२८२-२८३-२८४-२८५-२८६-२८७-२८८-२८९-२९०-२९१-२९२-२९३-२९४-२९५-२९६-२९७-२९८-२९९-३००-३०१-३०२-३०३-३०४-३०५-३०६-३०७-३०८-३०९-३१०-३११-३१२-३१३-३१४-३१५-३१६-३१७-३१८-३१९-३२०-३२१-३२२-३२३-३२४-३२५-३२६-३२७-३२८-३२९-३३०-३३१-३३२-३३३-३३४-३३५-३३६-३३७-३३८-३३९-३४०-३४१-३४२-३४३-३४४-३४५-३४६-३४७-३४८-३४९-३५०-३५१-३५२-३५३-३५४-३५५-३५६-३५७-३५८-३५९-३६०-३६१-३६२-३६३-३६४-३६५-३६६-३६७-३६८-३६९-३७०-३७१-३७२-३७३-३७४-३७५-३७६-३७७-३७८-३७९-३८०-३८१-३८२-३८३-३८४-३८५-३८६-३८७-३८८-३८९-३९०-३९१-३९२-३९३-३९४-३९५-३९६-३९७-३९८-३९९-४००-४०१-४०२-४०३-४०४-४०५-४०६-४०७-४०८-४०९-४१०-४११-४१२-४१३-४१४-४१५-४१६-४१७-४१८-४१९-४२०-४२१-४२२-४२३-४२४-४२५-४२६-४२७-४२८-४२९-४३०-४३१-४३२-४३३-४३४-४३५-४३६-४३७-४३८-४३९-४४०-४४१-४४२-४४३-४४४-४४५-४४६-४४७-४४८-४४९-४५०-४५१-४५२-४५३-४५४-४५५-४५६-४५७-४५८-४५९-४६०-४६१-४६२-४६३-४६४-४६५-४६६-४६७-४६८-४६९-४७०-४७१-४७२-४७३-४७४-४७५-४७६-४७७-४७८-४७९-४८०-४८१-४८२-४८३-४८४-४८५-४८६-४८७-४८८-४८९-४९०-४९१-४९२-४९३-४९४-४९५-४९६-४९७-४९८-४९९-५००-५०१-५०२-५०३-५०४-५०५-५०६-५०७-५०८-५०९-५१०-५११-५१२-५१३-५१४-५१५-५१६-५१७-५१८-५१९-५२०-५२१-५२२-५२३-५२४-५२५-५२६-५२७-५२८-५२९-५३०-५३१-५३२-५३३-५३४-५३५-५३६-५३७-५३८-५३९-५४०-५४१-५४२-५४३-५४४-५४५-५४६-५४७-५४८-५४९-५५०-५५१-५५२-५५३-५५४-५५५-५५६-५५७-५५८-५५९-५६०-५६१-५६२-५६३-५६४-५६५-५६६-५६७-५६८-५६९-५७०-५७१-५७२-५७३-५७४-५७५-५७६-५७७-५७८-५७९-५८०-५८१-५८२-५८३-५८४-५८५-५८६-५८७-५८८-५८९-५९०-५९१-५९२-५९३-५९४-५९५-५९६-५९७-५९८-५९९-६००-६०१-६०२-६०३-६०४-६०५-६०६-६०७-६०८-६०९-६१०-६११-६१२-६१३-६१४-६१५-६१६-६१७-६१८-६१९-६२०-६२१-६२२-६२३-६२४-६२५-६२६-६२७-६२८-६२९-६३०-६३१-६३२-६३३-६३४-६३५-६३६-६३७-६३८-६३९-६४०-६४१-६४२-६४३-६४४-६४५-६४६-६४७-६४८-६४९-६५०-६५१-६५२-६५३-६५४-६५५-६५६-६५७-६५८-६५९-६६०-६६१-६६२-६६३-६६४-६६५-६६६-६६७-६६८-६६९-६७०-६७१-६७२-६७३-६७४-६७५-६७६-६७७-६७८-६७९-६८०-६८१-६८२-६८३-६८४-६८५-६८६-६८७-६८८-६८९-६९०-६९१-६९२-६९३-६९४-६९५-६९६-६९७-६९८-६९९-७००-७०१-७०२-७०३-७०४-७०५-७०६-७०७-७०८-७०९-७१०-७११-७१२-७१३-७१४-७१५-७१६-७१७-७१८-७१९-७२०-७२१-७२२-७२३-७२४-७२५-७२६-७२७-७२८-७२९-७३०-७३१-७३२-७३३-७३४-७३५-७३६-७३७-७३८-७३९-७४०-७४१-७४२-७४३-७४४-७४५-७४६-७४७-७४८-७४९-७५०-७५१-७५२-७५३-७५४-७५५-७५६-७५७-७५८-७५९-७६०-७६१-७६२-७६३-७६४-७६५-७६६-७६७-७६८-७६९-७७०-७७१-७७२-७७३-७७४-७७५-७७६-७७७-७७८-७७९-७८०-७८१-७८२-७८३-७८४-७८५-७८६-७८७-७८८-७८९-७९०-७९१-७९२-७९३-७९४-७९५-७९६-७९७-७९८-७९९-८००-८०१-८०२-८०३-८०४-८०५-८०६-८०७-८०८-८०९-८१०-८११-८१२-८१३-८१४-८१५-८१६-८१७-८१८-८१९-८२०-८२१-८२२-८२३-८२४-८२५-८२६-८२७-८२८-८२९-८३०-८३१-८३२-८३३-८३४-८३५-८३६-८३७-८३८-८३९-८४०-८४१-८४२-८४३-८४४-८४५-८४६-८४७-८४८-८४९-८५०-८५१-८५२-८५३-८५४-८५५-८५६-८५७-८५८-८५९-८६०-८६१-८६२-८६३-८६४-८६५-८६६-८६७-८६८-८६९-८७०-८७१-८७२-८७३-८७४-८७५-८७६-८७७-८७८-८७९-८८०-८८१-८८२-८८३-८८४-८८५-८८६-८८७-८८८-८८९-८९०-८९१-८९२-८९३-८९४-८९५-८९६-८९७-८९८-८९९-९००-९०१-९०२-९०३-९०४-९०५-९०६-९०७-९०८-९०९-९१०-९११-९१२-९१३-९१४-९१५-९१६-९१७-९१८-९१९-९२०-९२१-९२२-९२३-९२४-९२५-९२६-९२७-९२८-९२९-९३०-९३१-९३२-९३३-९३४-९३५-९३६-९३७-९३८-९३९-९४०-९४१-९४२-९४३-९४४-९४५-९४६-९४७-९४८-९४९-९५०-९५१-९५२-९५३-९५४-९५५-९५६-९५७-९५८-९५९-९६०-९६१-९६२-९६३-९६४-९६५-९६६-९६७-९६८-९६९-९७०-९७१-९७२-९७३-९७४-९७५-९७६-९७७-९७८-९७९-९८०-९८१-९८२-९८३-९८४-९८५-९८६-९८७-९८८-९८९-९९०-९९१-९९२-९९३-९९४-९९५-९९६-९९७-९९८-९९९-१०००

दिनांक ३१/१/२०

2.Image display workstation:

- A. 15 inch LCD touch screen monitor with maximum storage capacity.
- B.Easy image manipulations : contrast invert, zoom, roam, window level, window width, image annotation and measuring tools, electronic left and right marker, multiresolution postprocessing.
- C. External optical disc (DVD, CD, LAN)

3. Generator:

12.5 and above KW should operate on single phase

4. Charger: 100/120V AC VOLT single phase.

5. X-Ray output:

- A.Maximum rating 32KW
- B.tube voltage- 40-120KV in steps of 1KV.
- C.Tube current max. 400 Ma

6. X-Ray tube:

- A.Focal spot- size 0.6/1.2
- B.Maximum anode heat capacity 100 KJ
- C.Target angle 17 degree

**SPECIFICATION FOR DIGITAL X RAY MACHINE (Mobile 100 Ma) at
Superspeciality hospital , GMC Nagpur**

7. Throughput:

A. 14x17,14x14, 10-12, 8-10 IP sizes

B. Processing capacity 62-94 IPS/hr.

8. Reading gray scale: 12 bits/pixel.

9. A. IP Casetts sizes : 14''x17'',14''x14'', 10''-12'', 8''-10''

B. IP Casetts of various types (Type CC, Type LC)

10. Readeable IP sizes and type : 14''x17'',14''x14'', 10''-12'', 8''-10''

ST-VI, ST-VN

11. System mobility :

A. Unit should have simple handle, variable speed with forward & backward movement.

B. Dual Motor Drive System, One touch electro-mechanical Lock control.

C. Low X-Ray Tube transport position.

D. Balance mechanism should be counterbalanced.

E. Should have tube rotation (X-Ray Tube Axis rotation -20 to +90 Degree , Arm axis rotation +/- 180 Degree)

F. Should have cassette storage container, apron hanger.

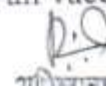
G. Mention details of breaks, & safety devices.

H. Specify safety device for locking tube during movement.

12. Accessories:

Barcode reader and barcode reader holder, remote hand switch, apron hook, imaging plates 50 of each size, IP cassettes (5 of each size)

13. Warantee : In addition to standard warrantee for 2 Yrs, the vendor will have to quote a comprehensive warrantee for next 8 Yrs on annual basis. The scope of comprehensive warrantee will include complete system including X-Ray tubes & all vaccumated items & accessories.



SCHEDULE NO. 3

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.

SCHEDULE NO. 4

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

SCHEDULE NO. 5

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.

SCHEDULE NO. 6

Item no. 06 - 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. 50,000 lux or more.
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 unit 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.

SCHEDULE NO. 7

Item no. 07 - Upper GI End View Gastroscope

Full HD Video Processor and camera

- Compatible "100watts or more Xenon Light Source with 2Nos. Spare Xenon lamp".
- 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 tray 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

Added para :

1. "Scope should be capable to produce Chrome Endoscopy images like NBI/SPIES/FICE etc."
 2. "Video Processor, Xenon Light Source, Monitor & Scope should be from same manufacturer for system compatibility".
 3. Discontinued models should not be offered.
-

SCHEDULE NO. 8

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

***Adjustable spot light 15mm to 100mm (+/-10% variation acceptable)**

SCHEDULE NO. 9

SI NO.	Sch 44 Micromotor Dermabrader with accessories
	Micromotor Derma Brader and all accessories
	Input voltage 220-240 VAC 50Hz.
	RF output power 150 watt @ E400 peak power
	Output frequency 2.1 MHz
	Control foot switch
	Emission mode 4
	Electrode 9 type/12 pc
	Size 420 x 300 x 180
	Weight 12 kg
	Added para :
1	500 – 3500 rpm with NSK hand piece.
2	Diamond burrs made of stainless steel with embedded imported industrial diamonds.
3	Universal stem diameter of 2.35 mm compatible with all hand pieces.
4	Round wheels , cylindrical , pears , bullet , Christmas tree / flame burrs.

SCHEDULE NO. 10**Power Instrument system with accessories**

Power instrument systems with accessories.

- 1/ Electric Power Assisted lipoplasty .
- 2/ Electric Controller box
- 3/ Electric Cable
- 4/ Reusable Cannulas (mercedes benz type)

	Diameter	Length (cm)	Part length (mm)
A/	2.4 mm	15 cm	7.5 mm
B/	3 mm	15 cm	6 mm
C/	4 mm	22 cm	10 mm
D/	4 mm	33 cm	10 mm
E/	5 mm	40 cm	10 mm

† Accessories like sterilisation trays etc.

Prices to be quoted separately for Reusable Cannulas

SCHEDULE NO. 11

SI NO.	Sch 47 Skin Graft Mesher	
	Variable Skin Graft Mesher and all accessories (Padgett)	Adjustment meshing drum
		Skin graft carrier
		Carrying container
		autoclaving container
		Manual gracing ratchet
		Teflon roller
		Cleaning forceps.

SCHEDULE NO. 12**Skin grafting handle with accessories**

Down's Skin Grafting handle and all accessories	<ul style="list-style-type: none"> • Humby's type • Left handed • Right handed • Rolling blade • Autoclavable • High grade stainless steel • With adjustable graft thickness with markings • With Down's blades
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SCHEDULE NO. 13

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, SERRATED
- JEWELLERS FORCEPS, STRAIGHT, CURVED, ANGLED (ANY)
- FORESTERS H.T FORCEPS, ELLIS INSTRUMENTS PATTERN ST/CURVED
- TITANIUM 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 LOKATA 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 JEWELLERS FORCEPS, STRAIGHT, CURVED (ANY)

SCHEDULE NO. 14

Specifications of Projection Microscope

- Ergonomically designed rugged stand for longtime comfortable usage. Carrying handle should be built-into the stand. It should have built-in adjustable and centerable luminous field diaphragm.
 - Built-in Transmitted light illumination with LED should be quoted.
 - Power supply should be external
 - LED Blue light display on both sides of the stand with quick light intensity control.
 - Transmitted light filters blue, green and yellow should be quoted.
 - Quadruple revolving nosepiece reverse facing with precision click stops, for easy change of objectives
 - Abbe Condenser with iris diaphragm, numerical aperture 1.25 with centerable and height adjustable drive for perfect Koehler illumination should be quoted.
 - Mechanical Stage should have a good ball bearing specimen holder and should have coaxial X and Y movement with the size 133 to 140mmX125 to 135 mm. The travelling range of the stage should be 75mm in X direction and 30 mm in Y direction.
 - 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.
 - Trinocular tube with inclination of 45 deg. With swiveling eyepiece tube and adjustable viewing height of atleast 35mm. Interpupillary distance should be variable between 50mm to 74 mm or better. The Trinocular tube should have a beam splitting ratio of 50% for observation and 50% for documentation.
 - 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 adjustments.
- High Contrast Fully Plan Achromatic Objectives, 4X/0.10, 10X/0.25, 40X/0.65 and 100X/1.25 oil. 40xs and 100x front optics are spring loaded.
- Microscope should antifungus treated.
- Digital Microscopic Camera with 5 Megapixel and resolution of 2560X1920, Pixel Size 2.2 umX 2.2.um.
- LCD Projector with screen.

SCHEDULE NO. 15

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 μ L. It should also be able to give all parameters with a finger prick volume of app 20 μ L

3.5 Throughput > 75 samples per hour.

3.6 Linearity Ranges WBC $0.5-80.0 * 10^3/\mu$ L

RBC $0.20-7.50 * 10^6/\mu$ L

HGB 2.0-25.0 g/dL

HCT 10.0%-70.0%

PLT $10-999 * 10^3/\mu$ L

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 Documentation8.1 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.

SCHEDULE NO. 16

AUTOMATED HEMATOLOGY ANALYZER -3 PART DIFFERENTIAL – VERY 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 setting 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 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.
5. The system should have around > 1000 samples test result memory .
6. The system should have autoprobe Wiper to lean the sample probe automatically after sample aspiration.
7. The system should have an option to print the results with or without histograms also with the option to print only basic 8 parameters.
8. The system should use the proven and approved "volumetric Metering" system of cell counting, for WBCs, RBCs & PLTs for high precision of the results and stability of the calibration.
9. The system should have a system of count and aperture monitoring every 0.5 sec. for precision and reliability of the counts.
10. 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.
11. The system should also have additional facility for manual discrimination in order to process veterinary sample.
12. The system should not require any daily maintenance except daily shutdown.
13. The system should have automatically give an alarm to the operator for doing the maintenance.
14. The system should use high intensity LED for Hb estimation and not the lamp.
15. The system should be open and reagent from other company can also be used.
16. Should be supplied with barcode reader for sample identification.
17. All reagents required should be available locally from the Company or its authorized distributor. Cost of the consumables shall be considered in financial comparison. Two vials each of 3 level quality controls (i.e. total 6 vials) should be provided for initial training and validation of instrument.
18. Should be supplied suitable windows based on equivalent platform computer system of latest configuration with UPS, color laser printer, 21" TFT/LCD color monitor.
19. Firm will have to supply the UPS with 30 min back up along with the equipment free of cost.
20. Electrical : The equipment should be able to run on the existing electrical provision.
21. Should be IVD certified, European CE or USFDA approved product.
22. Regular supply of reagents & spares should be provided for 10 to 15 years.
23. Bidder should quote for price of reagents for 5 years. **Price to be offered separately**
24. Timely service should be provided.

DRAN
Medical College
Mumbai

SCHEDULE NO. 17

TECHNICAL SPECIFICATIONS OF HIGH END WHOLE BODY DEXA SYSTEM

- 1 Measurement of Bone Densitometry by DEXA (Dual energy X Ray Absorptiometry) using Fa Beam Acquisition. Detectors minimum 216 or more. Precision error of < 1%.
- 2 BMD Analysis of AP Lumbar Spine, Lateral Spine, Proximal Femur, Forearm, "Supine, latera BMD using integrated motorized 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 Whole body phantom should be available. For spine and small animal automatic calibration by system should be possible after each scan. 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 a 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 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 Accessories: Lead aprons – 2 Nos
- 14 Voltage stabilizer
- 15 Complete training from approved institute for 2 personal/doctors
- 16 Lead protection barrier with viewing window: 3 lead apron regular size with 0.5 mm lead. Lead lining of door, all windows to be done by bidder.
- 17 Model Offered should have AERB type approval.

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अधिकारी व निदेशक
शासकीय वैद्यकीय महाविद्यालय
नागपुर

SCHEDULE NO. 18

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 20-30 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 15ms/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 10ml or 20ml

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 (800C) 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 by flow measurement technique

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नागपुर.

- 3.18 All important data should be presetted so that machine can be used anytime without feeding data every time
- 3.19 Should have automatic self-test facility
- 3.2 Should have auto ON/OFF Facility
- 3.21 Should have touch button 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.
- 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

Professor and Head
Department of Medicine

Associate Professor
Department of Medicine

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Lecturer
Department of Medicine
K. J. Somaiya Institute of Postgraduate Medical Education
Nagpur.
[Signature]

- 7.3 Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment part2- particular requirements for the safety of Haemodialysis equipment.
- 7.4 Comprehensive warranty for 2 years and 5 years CMC after warranty
- 7.5 Comprehensive training for lab staff and support services till familiarity with the system.
- 7.6 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
-

SCHEDULE NO. 19

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 or more 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.


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 नागपुर.

 Lecturer
 Medicine

Accredited Professor

- 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.

Handwritten signature

- 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 institute

SCHEDULE NO. 20

Lithoclast Master (Combined Pneumatic & Ultrasonic Intracorporeal Lithotripter)

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

SCHEDULE NO. 21

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.

SCHEDULE NO. 22

Fetal Monitor with central Station (Central Fetal Monitoring System)

1 Description of Function

1.1 Antepartum and Intrapartum foetal monitor (Cardiotocomachine) is used to monitor Foetus during antepartum period (before labour) or intrapartum period (birth process)"

2 Operational Requirements

2.1 The complete unit with printer and all accessories should be offered.

3 Technical Specifications

3.1 The monitor should be provided with 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.

SCHEDULE NO. 23

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.

SCHEDULE NO. 24

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. 6.8 mm with graduated scale with lateral stopcock and inlet for catheter, with obturator and obturator for stereo-tactic positioning- 1no.
- 3.4 **Sheath 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 30cm - 1 no.
Instruments should preferably be rotating type
- 3.9 Puncture needle- 1 no.
- 3.10 Irrigation tube autoclavable 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 6 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 resolution 1920x1080p** integrated image processing module, color systed: Pal, power supply: 100-240 VAC, 50/60 Hz, including: 3 chip camera head with **optical zoom lens**, Camera control unit with integrated image processing module, connecting cable length 180 cm, connecting cable set length 180cm, **key board or touch screen controlled camera console**, 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

Added para:

1. **“System should have, an inlet and a channel for 2nd instrument ”.**
2. Obturator for the sheath ,Ventriculostomy forceps for ETV , Flexible forceps (Biopsy , Ventriculostomy) , Monopolar Electrode with cable , Autoclavable adaptor to maintain the sterility of cross contamination while changing the telescope during surgery.

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.

SCHEDULE NO. 25 **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	YASARGIL LIG 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.YASARGIL STD CLIPS 205MM- 2Nos.
8	<u>YASARGIL or Sagita</u> CLIP TEMP 7.0265MM BLADE LG(Titanium)- 2Nos.
9	<u>YASARGIL or Sagita</u> CLIP TEMP 11.0MM BLADE LG (Titanium)- 2Nos
10	<u>YASARGIL or Sagita</u> CLIP TEMP 6.5MM BLADE LG (Titanium)- 2Nos
11	<u>YASARGIL or Sagita</u> CLIP TEMP 10.2MM BLADE LG (Titanium)- 2Nos
12	<u>YASARGIL or Sagita</u> CLIP TEMP 6.4MM BLADE LG (Titanium)- 2Nos
13	<u>YASARGIL or Sagita</u> CLIP TEMP 8.0MM BLADE LG (Titanium)- 2Nos
14	<u>YASARGIL or Sagita</u> CLIP TEMP 8.4MM BLADE LG (Titanium)- 2Nos
15	<u>YASARGIL or Sagita</u> CLIP TEMP 13.7MM BLADE LG (Titanium)- 2Nos
16	<u>YASARGIL or Sagita</u> CLIP TEMP 9.0MM BLADE LG (Titanium)- 2Nos
17	<u>YASARGIL or Sagita</u> CLIP STANDARD TEMPORARY 6.1MM (Titanium)- 2Nos
18	<u>YASARGIL or Sagita</u> CLIP STANDARD TEMPORARY 7.0MM (Titanium)- 2Nos
19	<u>YASARGIL or Sagita</u> CLIP STANDARD TEMPORARY 7.0 MM (Titanium)- 2Nos
20	<u>YASARGIL or Sagita</u> CLIP STD TEMPORARY 11.4MM (Titanium)- 2Nos
21	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 3.0MM (Titanium)- 2Nos
22	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 5.0MM (Titanium)- 2Nos
23	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 5.0MM (Titanium)- 2Nos
24	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 7.0MM (Titanium)- 2Nos
25	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 2.8MM(Titanium)- 2Nos

26	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 4.7MM(Titanium)- 2Nos
27	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos
28	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 5.2MM(Titanium)- 2Nos
29	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos
30	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 3.9MM(Titanium)- 2Nos
31	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 5.0MM(Titanium)- 2Nos
32	<u>YASARGIL or Sagita</u> CLIP MINI TEMPORARY 4.0MM(Titanium)- 2Nos
33	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 7MM(Titanium)- 2Nos
34	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 11MM(Titanium)- 2Nos
35	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 6.5MM(Titanium)- 2Nos
36	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 10.2MM(Titanium)- 2Nos
37	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 6.4MM(Titanium)- 2Nos
38	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 8.0MM(Titanium)- 2Nos
39	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 8.4MM(Titanium)- 2Nos
40	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 13.7MM(Titanium)- 2Nos
41	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 9MM(Titanium)- 2Nos.
42	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 6.1MM(Titanium)- 2Nos
43	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 7MM(Titanium)- 2Nos
44	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 7MM(Titanium)- 2Nos
45	<u>YASARGIL or Sagita</u> CLIPS STD PERMANENT 11.4MM(Titanium)- 2Nos
46	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 3MM(Titanium)- 2Nos
47	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos
48	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos
49	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 7MM(Titanium)- 2Nos
50	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 2.8MM(Titanium)- 2Nos
51	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 4.7MM(Titanium)- 2Nos
52	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 4MM(Titanium)- 2Nos
53	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 5.2MM(Titanium)- 2Nos
54	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 4MM(Titanium)- 2Nos
55	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 3.9MM(Titanium)- 2Nos
56	<u>YASARGIL or Sagita</u> MINI CLIPS PERMANENT 5MM(Titanium)- 2Nos
57	<u>YASARGIL or Sagita</u> 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 3/4" LONG,BAYONET SHAFT,SHARP RIGHT SS-2 Nos.
5	HARDY IMPLANT FORK 9 3/4" LONG,BAYONET SHAFT,BLUNT RIGHT SS-2 Nos.
6	HARDY ENUCLEARTOR FORK 9 3/4" LONG,BAYONET SHAFT,BLUNT LEFT SS-2 Nos.
7	LANDOLT RASPARTORY BAYONET SHAFT 10 1/4" 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 LOCKING 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 3/4" SS WITH 5 SHARP AND BLUNT BLADES COMPLETE SET-1 Nos.
4	CLAWARD VERTEBRAL SPREADER WITH RATECHET 5" LONG TOTAL OPENING 3/4"-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 1/2" LONG SS-2 Nos.
15	CLOWARDS DOWEL EJECTOR 4 1/2" 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 1/2" LONG 3/8" & 1/2" SS-2 Nos.
1)	All instruments offered should be European CE or USFDA 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)	All instruments offered should be European CE or USFDA approved product.
2)	Should be of stainless steel (surgical grade).
3)	Bidder has to supply the complete SET

Schedule No. 26	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

Schedule No. 27

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**

Schedule No. 28

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 Pistol 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.

Schedule No. 29

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.

Schedule No. 30

Specification for Photography section

Unit 1.

DSLR System 1

Type : Single lence 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
- Magnesium alloy construction
- Advanced dust and moisture resistance
- 400,000 cycle shutter durability
- Dual CF card slot
- LP-E 4N lithium battery pack.
- Lence : Interchangable.
- Focus modes one shoot al servo manual
- Dual battery
- Battery charger

DSLR System 2

- 22.3 MP full frame CMOS censored
- 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
- Magnesium alloy contruction
- HDR mode
- Multiple exposure mode
- Dual card (CF + SD slots)
- Advanced full HD video recording.

Letis technology is aplikable

Lences:

1. EF 100 mm f/2.8 L Macro IS USM
2. EF 100mm f/ 2.8 Macro IS USM
3. Standard zoom- EF 24-70mm f 2.8L II USM with lence hood and u.v. filter.
4. EF 70-200mm f/2.8 L IS II USM

Flashgun or speedlight 600 EX RT (8 Battery cell with charger)

Multy power battery pack.

Right angle Finder C viwing attachment

Wireless remote control RC-6 Or Wireless Controlerr LC-5 .

Power bank recharge anytime /Anywhere.

Bags DSLR Treckking Back packs.

Bag 1. Pro trecker 600 AW.

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

Bag 2. Shoulder Bags

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

Studio Light:

Master RX :- 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 dimping

Modeling lamp E27

Unit 2

Video camera 1

Specification:



4K Camcorder FDR-AX1E/B

»4K / 60p(50p) recording

»XAVC S consumer-use 4K/HD recording format

»High-quality 50Mbps HD recording

Video camera 2

Specification:

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

Unit 3

Laptop

Specification :

1. Processor- I7
2. 8 GB RAM
3. 1 TB HardDisk

Desktop

Specification :

1. LCD Monitor Size: 24 inches
2. Processor – I7 k Edition
3. 32 GB RAM
4. 4 TB HardDisk
5. 500 gb SSD
6. AGP QUADRO PCI 3.0 8 GB

Accessories :

- 1) With advanced version software(Lincence copy. 1)Coral Draw 2) Photoshop 3)Illustrator 4) MS office) and other required software.
- 2) Revolving Chair
- 3) Computer Table
- 4) External Hard-disk of 1 TB

Unit 4

Camera microscope adapter

Image for reference



Tripod For Photo

190 kit - alu 4-section horiz. column tripod + ball head

attaches by.

3/8 attachment type

centre column	rapid
closed length	59 cm
Color	black color
column tube diameter	25mm
leg angles	25°.46°.66°.88°
leg sections	4 number
legs tube diameter	26. 22.5. 19. 15.5 mm
material	aluminum
maximum height	170 cm
maximum height (with centre column down)	145 cm
minimum height	8 cm
safety payload	6 kg
weight	2.500 kg

Flash tube Triggering, fan cooled

Weight 1 kg – 2.05

Note: Standard kit accessories.

Photo Printer :

MODEL NUMBER	SL-D700
Printing Technology	
Print Method	Epson Micro Piezo™ on-demand inkjet with Variable Sized Droplet Technology
Nozzle Configuration	180 nozzles x 6 colours
Minimum Droplet Size	2.5pl
Maximum Resolution	1440 x 720 dpi (Glossy / Luster Paper / Matte Paper)
Maximum Print Speed	360 sheets / hour (152 x 102mm / 6" x 4", at 720 x 720 dpi)
Paper Width	102mm (4"), 127mm (5"), 152mm (6"), 203mm (8"), 210mm (A4)
Print Size	89 x 127mm - 203 x 1000mm (3.5" x 5" - 8" x 39")
Supported Media	Epson genuine media: Glossy, Luster, Matte

Tripod For Video

545GB Tripod, 526 Head, MBAG100P Video Kit

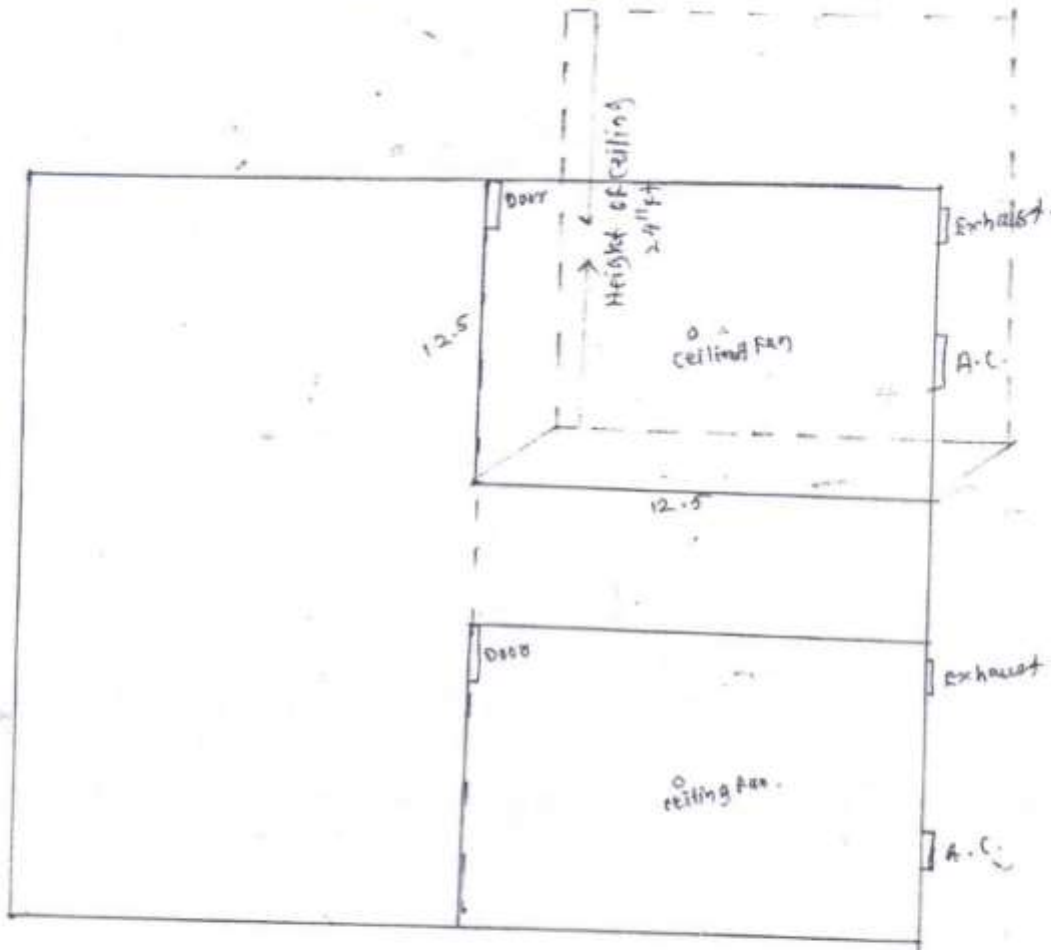
Center Of Gravity	125 mm
closed length	84 cm
Counterbalanced Weight	15 kg
maximum height	173 cm
minimum height	47.5 cm
Safety Payload Weight	16 kg
weight	7.1 kg

Minor civil work:

1. partition closing two sides with alluminium frame with glass upto celing size: 12x 12ft 2 rooms.
2. AC 2 No.s with capacity of 1.5 tones each with fitting
3. arrangemnt for keeping printer inthe AC room according printer size.
4. revolving chairs 5 no.s
5. minor electrification for installation of ACs /Printers/Laptops/Desktops.
6. Two celling fan for room each.

-
- **Latest technology is available.**
 - **Warranty is applicable for five (5) years, but not in case of water and physical damage.**
 - **CMC is not applicable for this schedule.**

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, atleast 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.
2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer

Note:

1. The tenderer shall give an affidavit as under:

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

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

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

3. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.
4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer’s capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.
5. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

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

**Section – X
TENDER FORM**

Date_____

To

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

Ref. Your TE document No. _____ dated _____

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Currency)						6 Total price on CIP Named Port of Destination + Insurance (local transportation and storage) 4X 5 (e)
				FOB price at port/ airport of Lading	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)	

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

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

Indian Agent:

Indian Agency Commission - ___% of FOB

Signature of Tenderer _____

Place: _____

Date: _____

Name _____
Business Address _____
Signature of Tenderer _____
Seal of the Tenderer _____

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

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

* After completion of Warranty period

NOTE:-

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

Place: _____

Date: _____

Name _____
Business Address _____
Signature of Tenderer _____
Seal of the Tenderer _____

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name _____

Business Address _____

Signature of Tenderer _____

Seal of the Tenderer _____

Place: _____

Date: _____

**SECTION – XII
QUESTIONNAIRE**

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

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark “not applicable”.
2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.
3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

SECTION – XIV

MANUFACTURER’S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

We also state that we are not participating directly in this tender for the following reason(s):

(*please provide reason here*).

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

WHEREAS _____ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no _____ dated _____ to supply (description of goods and services) (herein after called “the contract”).

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

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

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

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

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

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

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No _____ dated _____

This is in continuation to this office's Notification of Award No _____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No _____ dated _____ and subsequent Amendment No _____, dated _____ (if any), issued by the purchaser
3. Supplier's Tender No _____ dated _____ and subsequent communication(s) No _____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

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

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
 - (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

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

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

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

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B**CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

Annual CM Contract No. _____ dated _____
Between _____

(Address of Head of Hospital)

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)]
			1 st	2 ⁿ _d	3 ^r _d	4 th	5 th	
			a	b	c	d	e	

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

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from _____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.

- g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** _____ (name of the consignee i.e. Hospitalauthorised official)

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

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

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

- 1) Contract No. & date : _____
- 2) Supplier’s Name : _____
- 3) Consignee’s Name & Address with
telephone No. & Fax No. : _____
- 4) Name of the item supplied : _____
- 5) Quantity Supplied : _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Authorized Representative of
Consignee with date : _____
- 9) Seal of the Consignee : _____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment/plant.

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

- (a) Contract No _____ dated _____
- (b) Description of the equipment(s)/plants: _____
- (c) Equipment(s)/ plant(s) nos.: _____
- (d) Quantity: _____
- (e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no _____ dated _____
- (f) Name of the vessel/Transporters: _____
- (g) Name of the Consignee: _____
- (h) Date of commissioning and proving test: _____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

- i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- ii) He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- iii) Training of personnel has been done by the supplier as specified in the contract.
- iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

**SECTION – XIX
ANNEXURES**

Annexure 1

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

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

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

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

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

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

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

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

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

For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should give adequate notice about the readiness of each consignment from time to time at least six weeks in advance of the required position to M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) and also endorse a copy thereof to the Shipping Co-ordination Officer,

Ministry of Surface Transport, New Delhi, (Cable: TRANSCART, 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, (TRANSCART), 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: TRANSCART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

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

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

(h) SHIPMENT FROM PAKISTAN

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

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

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

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

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

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

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

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of

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

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

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

2. BILLS OF LADING

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

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

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

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

(ii) F.O.R SHIPMENTS

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

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

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

SECTION – XX
CHECKLIST

Name of Tenderer:
Name of Manufacturer:

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
b.	Have you submitted copy of the order(s) and end user certificate?			
6.	Have you submitted manufacturer's authorization as per Section XIV?			
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
9. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			
10.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
11.	Have you fully accepted payment terms as per TE document?			
12.	Have you fully accepted delivery period as per TE document?			
13.	Have you submitted the certificate of incorporation?			
14.	Have you accepted the warranty as per TE document?			
15.	Have you accepted terms and conditions of TE document?			

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			
19	Have you enclosed 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.”			

N.B.

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

(Signature with date)

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

For and on behalf of

(Name, address and stamp of the tendering firm)

**Section – XXI
Consignee List**

Consignee Code	Medical Institutions	Contact Address.	AirPort	Sea Port / Dry Port
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.