

GLOBAL TENDER ENQUIRY

**FOR PURCHASE OF MEDICAL EQUIPMENT ON BEHALF OF
DEPARTMENT OF HEALTH & FAMILY WELFARE
GOVT OF NCT OF DELHI**

HLL/PCD/GNCTD/16/14-15



BY

HLL LIFECARE LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

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SECTION I

NIT No: HLL/PCD/GNCTD/16/14-15

Dated:21.10.2014

NOTICE INVITING TENDERS (NIT)

1. A) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Department of Health & Family Welfare, Govt. of NCT of Delhi, invites online eTenders, from eligible and qualified tenderers for supply of Medical Equipment for various Hospital under Govt. of NCT of Delhi as under:

Tender ID	Name of Equipment	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)	Date & time of Prebid meeting	Date & time of closing of online tender	Closing date & time for submission of physical Document	Date & time of opening of tender
2014_HFWD_69035_1	Fully Automatic Biochemistry Analyser	2	1,000	84,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_2	Five Part Differential HaematologyAnalyser	2	1,000	84,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_3	Generator of Ultrasonic & Advanced Radio Frequency Energy for Cutting & Coagulation	2	2,000	110,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_4	Laparoscopy system	4	3,000	40,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_5	LED Modular OT Light system	2	500	48,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_6	Battery Operated Drill & Saw System	1	500	42,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_7	Ortho OT Table Electro Hydraulic	5	3,000	75,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_8	C-Arm Mobile Image Intensifier	4	3,000	20,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_9	Digital Radiography system with Single Flat panel Detector	4	3,000	480,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_10	300mA High Frequency X-Ray Equipment	1	500	20,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_11	Ultrasound Machine	5	3,000	275,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_12	ENT Diagnostic & Therapy unit	1	2,000	110,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_13	ENT Operating Microscope	5	2,000	175,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_14	Phacoemulsification system	3	2,000	114,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_15	Operating Microscope Ophthalmic	3	3,000	255,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM

Tender ID	Name of Equipment	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)	Date & time of Prebid meeting	Date & time of closing of online tender	Closing date & time for submission of physical Document	Date & time of opening of tender
2014_HFWD_69035_16	Ophthalmic ND YAG Laser	3	1,000	99,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_17	High Definition OCT	1	1,000	80,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_18	Non-Contact Optical Biometer	1	500	40,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_19	Digital OPG Machine	1	500	22,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_20	Dental Simulator and work Bench	10	2,000	180,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_21	Digital OPG X-Ray machine	1	1,000	70,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_22	Neonatal Ventilators	5	2,000	150,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_23	Airway Management set	1	500	29,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_24	Anaesthesia Monitor	2	500	28,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM
2014_HFWD_69035_25	Anaesthesia Workstation	5	3,000	210,000	07.11.2014 11:00 AM	15.12.2014 06:00 PM	16.12.2014 01:30 PM	16.12.2014 02:00 PM

2. Interested tenderers may obtain further information about this requirement from this office inviting the tenders.
3. The prospective bidders who have not registered can register with E-procurement system of NIC by paying necessary registration charges. The bidders may prepare a banker cheque/Draft in favour of Delhi E-governance society and deposit it at E-procurement help desk room. The details of payment can be obtained from help desk.

In order to submit the bids electronically bidders are required to have type-II Digital Signature Certificate. Digital Signature can be obtained from any of the certifying agency.

The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:

- (i) Tender Fee and EMD
- (ii) Pre-qualification and Technical compliance as per following documents (Both online and physical):
 - 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 adocument 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) Copy of PAN.

- d) Certificate of Incorporation or Declaration in case of being a proprietary firm.
 - e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
 - f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
 - g) Quality Control Requirements as per Section VIII
 - h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
 - i) Affidavit as per Section XIX
 - j) Technical Bidalong with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)
- (iii) Price Bid (Only online).
3. All prospective tenderers may attend the Pre Tender meeting. For all the above tender IDs, Prebid meeting shall be held at Conference Room of HLL Lifecare Limited, B-14A, Sector -62, Noida, GautamBudh Nagar, U.P. - 201 307.
 4. Tenders in desired Physical Form to be submitted in the tender box provided at the address mentioned in para 3 above.
 5. To participate in the submission against the tender, it is mandatory for the Applicants to get digital signature and get themselves registered with e-tendering system of various hospitals under Govt. of NCT of Delhi.
 6. Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp or www.govtprocurement.delhi.gov.in and submit its tender online after logging in to their user ID at www.govtprocurement.delhi.gov.in.
 7. Tenderers shall ensure that their tenders, complete in all respects, are submitted **online and desired hard copies in original** dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.
 8. In the event of any of the above mentioned dates being declared as a holiday /closed day for the purchase organisation, the physical form of tenders will be received/opened on the next working day at the appointed time.

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

1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers

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

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

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

6. Eligible Goods and Services

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

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

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

- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Check List for the Tenderers
- Section XX – 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 the referred websites only.
- 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 on or before the pre-bid meeting.
- 10.2 Each prospective Tenderer can attend the Prebid meeting mentioned in para 4 in Section I with maximum 2 persons duly authorized by Tenderer.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

- 11.1 The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:
- (i) Tender Fee, EMD, Pre-qualification as per checklist section XIX(Both online and physical) and as mentioned in para A) below.
 - (ii) Technical Bid (Both online and physical)
 - (iii) Price Bid (Only online).

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) Techno – Commercial Tender (Un priced Tender)

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

- 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) Deleted.
- 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) Deleted
- ix) Certificate of Incorporation.

B) Price Tender:

1. Prices are to be quoted in the attached Price Bid format online as per the direction on the official website.
2. The price should be quoted for the accounting unit indicated on the website.

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.

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

12. Tender currencies

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

13 Tender Prices

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as “NA” by the tenderer.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
 - b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
 - c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
 - d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
 - e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
 - f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.
- 13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
 - b) The amount of freight and insurance
 - c) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;
 - d) Deleted
 - e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
 - f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;
 - g) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and

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

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

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

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will not 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).

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 Only one tenderer is permitted to quote for the same manufacturer irrespective of models

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 misleading 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 11.1A(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, if paid in Bank Guarantee, shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.

20. Tender Validity

- 20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.
- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Deleted
- 21.3 The original tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract.
- 21.4 The tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 21.5 Deleted.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

- 22.1 The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:
- (i) Tender Fee, EMD and Pre-qualification as per following documents (Both online and physical):
 - 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
 - b) document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
 - c) Tender Form as per section X.
 - d) Copy of PAN.
 - e) Certificate of Incorporation/Declaration being a proprietary firm.
 - f) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
 - g) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
 - h) Quality Control Requirements as per Section VIII
 - i) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
 - (ii) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)
 - (iii) Price Bid (Only online).

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.

Unless otherwise specified, the tenderers are to submit its tender online and deposit the physical form of tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh.**

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

- 24.1 The tenderer, after submitting its tender, is permitted to alter/modify its tender so long as such alterations/ modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations/ modifications to tenders received after the prescribed deadline will not be considered.
- 24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

- 25.3 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 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) 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.
 - (viii) Poor/ unsatisfactory past performance.
 - (ix) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
 - (x) Tenderer is not eligible as per GIT Clauses 5 & 17.1.
 - (xi) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
 - (xii) 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 Pre-Qualification and/or 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

Deleted.

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 at a discounted rate of 10% per year.**

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.

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

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

41. Notification of Award

- 41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will 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.
- 42.3 The Purchaser/Consignee reserves the right to issue the Notification of Award consignee wise.

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

- 46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
- (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission)

designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	25
B	8 to 10	TE documents	No Change	25
C	11 to 21	Preparation of Tenders	No Change	25
D	22 to 24	Submission of Tenders	Change	25
E	25	Tender Opening	No Change	25
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	25
G	38 to 45	Award of Contract	No Change	25

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

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

Preparation of Tenders

Tender currencies

- (i) The tenderer quoting for items with tender IDs 2014_HFWD_69035_10, 2014_HFWD_69035_19, 2014_HFWD_69035_22, 2014_HFWD_69035_23 and 2014_HFWD_69035_24 shall quote only in Indian Rupees. There will not be any CDEC issued against these items.

Submission of Tenders

- (i) The following documents shall be prepared and scanned in different files (in PDF or JPEG format as prescribed) and uploaded during the on-line submission of Proposal. These documents shall also be submitted in '**ORIGINAL**' to HLL Lifecare Ltd before the prescribed date & time for submission of Proposals.
- a) Demand Draft towards Tender Fee in favour of HLL Lifecare Ltd
 - b) EMD in the prescribed format in favour of HLL Lifecare Ltd
 - c) Technical Data Sheet and original technical literature/ Brochure (if any)
- (ii) All document(s)/ information(s) other than above 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) At the time of cover content creation, the prospective bidders would have to define the document type as “.rar” format.
- (vi) The prospective bidders should be asked to zip all the .dwf files to a .rar file and upload it.

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

1. Application

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

All documents submitted physically or uploaded as scanned copies must be self-attested, legible and numbered.

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 sixty six (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 & lodging will be borne by the purchaser and/or its nominated representative(s).
- 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.
- 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 to a further period of twenty four (24) months from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.
- 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:

80% 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 20% 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. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

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:

Eighty (80)% 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, BUREAU VERITAS and TUV prior to despatch.

b) On Acceptance:

Balance payment of 20% 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. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

c) 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.

d) 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 respective consignees. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
 - (b) Delay in supplies, if any, has been regularized.
 - (c) The contract price where it is subject to variation has been finalized.
 - (d) The supplier furnishes the following undertakings:

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

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
 - (ii) forfeiture of its performance security and
 - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, 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.
- 22.6.1 Passing of Property:
- 22.6.2 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.

22.6.3 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.

22.6.4 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 inter alia, 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 arbitrator appointed by the Secretary, Department of Health & Family Welfare, Govt. of NCT of Delhi. 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 period will be as mentioned in the list of requirement only as per section VI of the tender enquiry.

SECTION - VI**LIST OF REQUIREMENTS****Part I**

Tender ID	Name of Equipment	Consignee (Qty)	Department	Qty	Warranty Period	CMC Period
2014_HFWD_69035_1	Fully Automatic Biochemistry Analyser	BJRMH (1) SVBPH (1)	Pathology	2	5 years	5 years
2014_HFWD_69035_2	Five Part Differential HaematologyAnalyser	BJRMH (1) SVBPH (1)	Pathology	2	5 years	5 years
2014_HFWD_69035_3	Generator of Ultrasonic & Advanced Radio Frequency Energy for Cutting & Coagulation	ABGH (1) LBSH (1)	Surgery	2	5 years	5 years
2014_HFWD_69035_4	Laparoscopy system	LBSH (1) DHAS (1) DCBH (1) RTRMH (1)	Surgery	4	5 years	5 years
2014_HFWD_69035_5	LED Modular OT Light system	LBSH (2)	Surgery	2	5 years	5 years
2014_HFWD_69035_6	Battery Operated Drill & Saw System	DCBH (1)	Orthopaedics	1	5 years	5 years
2014_HFWD_69035_7	Ortho OT Table Electro Hydraulic	DCBH (1) MVH (1) LBSH (1) ABGH (1) AAAGH (1)	Orthopaedics	5	5 years	5 years
2014_HFWD_69035_8	C-Arm Mobile Image Intensifier	BMH (1) DCBH (1) LBSH (1) JPCH (1)	Orthopaedics	4	5 years	5 years
2014_HFWD_69035_9	Digital Radiography system with Single Flat panel Detector	DDMSH (1) RTRMH (1) DCBH (1) SGMH (1)	Radiology	4	5 years	5 years
2014_HFWD_69035_10	300mA High Frequency X-Ray Equipment	NHMCH (1)	Radiology	1	5 years	5 years
2014_HFWD_69035_11	Ultrasound Machine	AAAGH (1) DHAS (1) LBSH (1) DCBH (1) ABGH (1)	Radiology	5	5 years	5 years
2014_HFWD_69035_12	ENT Diagnostic & Therapy unit	SGMH (1)	ENT	1	5 years	5 years
2014_HFWD_69035_13	ENT Operating Microscope	AAAGH (1) ABGH (1) DCBH (1) RTRMH (1) SVBPH (1)	ENT	5	5 years	5 years
2014_HFWD_69035_14	Phacoemulsification system	SGMH (1) DCBH (1) ASJEGH (1)	Ophthalmology	3	5 years	5 years
2014_HFWD_69035_15	Operating Microscope Ophthalmic	RTRMH (1) SGMH (1) DCBH (1)	Ophthalmology	3	5 years	5 years

Tender ID	Name of Equipment	Consignee (Qty)	Department	Qty	Warranty Period	CMC Period
2014_HFWD_69035_16	Ophthalmic ND YAG Laser	DCBH (1) RTRMH (1) LBSH (1)	Ophthalmology	3	5 years	5 years
2014_HFWD_69035_17	High Definition OCT	ASJEGH (1)	Ophthalmology	1	5 years	5 years
2014_HFWD_69035_18	Non-Contact Optical Biometer	SGMH (1)	Ophthalmology	1	5 years	5 years
2014_HFWD_69035_19	Digital OPG Machine	MVH (1)	Dentistry	1	5 years	5 years
2014_HFWD_69035_20	Dental Simulator and work Bench	MAIDS (10)	Dentistry	10	5 years	5 years
2014_HFWD_69035_21	Digital OPG X-Ray machine	MAIDS (1)	Dentistry	1	5 years	5 years
2014_HFWD_69035_22	Neonatal Ventilators	SGMH (4) DDMSC (1)	Paediatrics	5	5 years	5 years
2014_HFWD_69035_23	Airway Management set	ABGH (1)	Anaesthesia	1	5 years	5 years
2014_HFWD_69035_24	Anaesthesia Monitor	NCJH (1)	Anaesthesia	2	5 years	5 years
2014_HFWD_69035_25	Anaesthesia Workstation	ABGH (2) NCJH (2) MAIDS (1)	Anaesthesia	5	5 years	5 years

Part II: Required Delivery Schedule:

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

60 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 two weeks of receipt of the stores/ goods at site or within two weeks of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

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

Installation and commissioning shall be done within two weeks of receipt of the stores/ goods at site or within two weeks 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.

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 XX

Section – VII

Technical Specification

Item No. 1

**SPECIFICATIONS FOR FULLY AUTOMATIC BIOCHEMISTRY ANALYSER FOR EPC FOR
BJRM HOSPITAL AND SVBP HOSPITAL.**

1. Fully automated, Random Access, continuous loading with stat facility, discrete wet biochemistry analyzer non refurbished floor model.
2. Capable to estimate all biochemical parameters in body fluids- blood, urine and CSF based on end point, fixed, fixed time, kinetic and immunoturbidimetric and homogenous immunoassay.
3. Throughput of at least 250 tests /hr without ISE, however it should have integrated ISE module.
4. Should have minimum of 45 routine photometric tests with facility for calculate tests, profile and formulae and should have sufficient positions to accommodate 40 patient samples and suitable number of controls, calibrators and standards along with sample and reagent identification.
5. On board reagent capacity to suit 45 photometric tests which may require single or two reagents along with facility for on board refrigeration to keep reagents at 5-15 degreeC or better.
6. Sample volume requirement should be 2-25 micro litres with 1 micro litre increment .Dilution mode of the sample should be available in the equipment.
7. Reagent volume requirement should be 25-250 micro litres with 5 micro litre increment or better and final test volume should be in the range of 50- 400 micro litres with working temperature of 37 degree C.
8. On board stirrer facility for proper mixing of reagents or samples in the assay cups reaction cuvettes.
9. Automated samples management for clot detection, bubble detection, liquid level sensing (pressure transducer), short sample detection.
10. Reusable or permanent cuvettes of hard glass or quartz with on board cleaning and washing with deionised water, drying and auto drain facility for the waste fluid.
11. Should have optical system to measure the optical densities in the UV, visible range of light spectrum, based on diffraction grating or filters.
12. Compatible to the LIS with bidirectional interface and it should have the patient data storage facility of a minimum of 10,000 patient reports.
13. Should have the facility to minimize the interference from lipemic, icteric and hemolysed sample, this includes detection, giving suitable alarm and appropriate management.
14. The sample racks should be able to accept primary sample collection tube or vacutainers of 5 ml, 2-4 ml collection tubes, 1 ml microtube, micro sample cups, and 5 ml and 2 ml cups
15. User friendly menu with possibility of using touch screen command computer
16. Should have self diagnosis and error recovery system, with on board operation guide.
17. Any requirement for Deionised water plant and its consumable if any for feed water shall be supplied by the vendor for five years free of cost. The responsibility of providing suitable quality of water for the equipment shall rest on the successful vendors. Vendors are at liberty to inspect and assess the quality of feed water to be provided with deionizer plant.

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18. The responsibility of providing all civil, electrical and air conditioning facilities in the room provided for installation of the auto analyser shall rest on the vendor supplying the equipment at no extra cost to the buyer..
19. UPS with one hr back up to be provided by the successful bidder.
20. The successful bidder shall have to provide free comprehensive warranty(so as to include all spares ,electronic circuit boards ,bulbs, lamps, filters ,deionisers, reaction cuvettes, electrodes, membran ed. probes ,mixers, tubing, UPS, computer, printer etc) for the first five years of installation. Similar warranty shall have to provided by the successful bidder from sixth year onwards till 10th year on payment basis. The cost of this comprehensive warranty shall be added while deciding the lowest rate amongst the bids received against the tender. hand 10.10.14
K. Gupta
10/10/14
21. The list of consumables like wash buffer, cleaning solution etc. which might be required for running of the equipment must be provided with the system. The rates of these items shall remain fixed during the CMC period.
22. Start up reagent of 1000 tests each (total bill, direct bill, SGOT,SGPT, urea, creatinine, calcium , glucose, alkaline phosphatase, cholestrol, triglyceride, albumin, CSF protein and total protein), multicalibrators (2 Vials), quality control (6 vials), each of normal and abnormal low and high levels to run the test and other consumables like wash buffer in sufficient quantity to utilize the start up reagents shall have to be provided free of cost.
23. The reagents provided should be liquid stable system packs compatible with the auto analyzer.
24. Should provide calibration certificate for the hardware (optical system , syringes, etc) traceable to national /international standards from an accredited calibration laboratory.
25. Should provide 2 satisfactory installation with documentary proof thereof, of the equipment in any govt, non govt hospital of the similar bed strength in the Delhi/NCR region. Such certificate must be issued by the head of the user department.
26. The successful bidder shall have to get the purity certificate for deionised water prepared in the deionizer to be installed with the auto analyzer at 3 monthly intervals from a NABL accredited testing laboratories at its cost during the Comprehensive warranty period.
27. Needs demonstration and training of working of equipment before installation ,This shall be done at user site to the satisfaction of user department.
28. Equipment must be CE mark to meet European Union health and environment safety/protection requirement or with ^{US} FDA approval.
29. The equipment should have a suitable software for monitoring the quality of results on the basis of Westgard rules.
30. The equipment also should have password protection facility to safeguard against tempering of the software details.
31. Suitable computer compatible with the autoanalyser and printer shall have to be provided with the equipment.
32. Comprehensive list of biochemistry system packs, controls and calibrators which can be run on the analyser has to be submitted at the time of technical bid itself.
 - a. The list of all the reagents /system packs which require recurring consumption should be clearly mentioned with the pack sizes and the estimated tests per pack. Shelf life of all

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reagents should be clearly mentioned with respect to shelf life of reagents before and after opening of packs.

- b. The supplier should be able to supply the reagents on a regular basis with rates valid for atleast 2 years.
- c. Cost of 1000 tests of the under mentioned biochemistry parameters including controls and calibrators should be provided which will be taken into consideration for preparing L1.

33. The analyzer has to be supplied with system pack reagents for biochemistry analysis with approximate monthly requirement of biochemistry tests samples as given below

Serial no	Name of test	Monthly requirement
1	BLOOD GLUCOSE	1600
2	BILIRUBIN(TOTAL)	800
3	BILIRUBIN(DIRECT)	800
4	SGOT	700
5	SGPT	700
6	ALKALINE PHOSPHATASE	800
7	UREA	600
8	CREATININE	600
9	URIC ACID	600
10	SERUM PROTEIN	100
11	ALBUMIN	100
12	AMYLASE	50
13	LIPASE	50
14	CK-NAC	20
15	CK MB	20
16	CHOLESTROL	200
17	TRIGLYCERIDE	200
18	HDL	200

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 Govt. of NCT of Delhi
 Meh. House, New Delhi-110019

Handwritten signature: Rakhi Jain

Handwritten signature: Chand Kumar Gupta
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19	LDL	200
SERIAL NUMBER	NAME OF THE TEST	QUANTITY
20	HBA1C	100
21	GGT	200
22	CALCIUM	200
22	SODIUM	200
23	POTASSIUM	200
24	MULTICALIBRATOR VIALS(PACK SIZE OF 1TO 3ML)	10 ML
25	QUALITY CONTROL SERA (NORMAL) (PACK SIZE OF 1 TO 5 ML)	20 ML
26	QUALITY CONTROL SERA LOW ABNORMAL(PACK SIZE OF 1 TO 5 ML)	20 ML
27	QUALITY CONTROL SERA HIGH ABNORMAL(PACK SIZE OF 1 TO 5 ML)	20 ML

*custody
attached*

The details listed at serial no 23 of the main document for various tests must be used to provide total cost of reagents required for a period of two years. These will be added to the cost of the equipment including CMC cost for the 6th to 10th year to arrive at the final cost quoted by the bidder. The bidder shall be selected on the basis of final cost.

Dr. V. K. Gupta 10.9.14 *Dr. V. K. Gupta 10/9/14* *Dr. V. K. Gupta 10/9/14*

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Item No. 2

SPECIFICATION OF FIVE PART DIFFERENTIAL HAEMATOLOGY ANALYSER

for two Delhi Govt Hospitals(SVBPH and BJRM) to be supplied with system pack reagents for blood analysis approximately 100 tests/day on CBC + Differential mode.

Fully Automated 5-part differential hematology analyzer FDA/ CE approved *European m d B*

1. with autoloader for 50-samples at a time.
2. Should be user friendly, easy to operate with ability to integrate with LIS.
3. Colored screen with LCD display,
4. It should be based on Impedance and /or Flow Cytometry with or without stain for WBC differential and Hydrodynamic Focusing Technologies for WBC, RBC and PLT counts/differential along with direct /numeric integration of HCT.
5. System would preferably be upgradable for body fluids and reticulocytes.
6. Should require sample volume less than 200 ul.
7. There should be provision for pediatric sampling with necessary accessories.
8. Must have linearity of parameters as mentioned below

Linearity with Precision (CV < 2%)preferably :	
WBC	0.4 TO 150 X 10 ³ Cells/ul
RBC	0.3 TO 8.00 X 10 ⁶ Cells/ul
HGB	1.0 TO 24 g/dL
MCV	50 TO 150 fL
PLT	10.0 TO 1900 X 10 ³ CELLS/UL
HCT	1 TO 67%
9. Should have RANDOM ACCESS TESTING, with discrete analysis modes viz, CBC, CBC+DIFFERENTIAL and facility for stat sample for open or closed tube.
10. It should provide following parameters WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD and/or RDW-CV, PCT, PDW, MPV, NEUT %, LYMPH %, MONO%, EOS %, BASO % with absolute counts along with flagging/counts for Atypical cells, nucleated RBC and large immature cells.
11. The equipment should preferably have :
 - a. Definitive flags for abnormal cell types and patterns.
 - b. Laboratory defined Quantitative abnormalities and high/low ranges flags
 - c flagging for nRBC/detection/counting with correction for schistocytes/nRBC.
12. It should have a user friendly economical printer (internal or external) which should give printout of SCATTERGRAM / HISTOGRAMS FOR RBC, PLT, AND SCATTERGRAMS OF DIFF, WBC-BASO with thresholds.with paper saving mode and facility for different report formats .
13. Should have throughput of at least 80 samples per hour in all the discrete analysis modes.
14. System should have extensive QC features like files for X bar and LJ plot available
15. Should provide COMPREHENSIVE INFORMATION SYSTEM, Network integration possible with Lab Information system with RS232,,memory of 10000 sample data with histogram and Scattergram.

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16. Must have an AUTO SAMPLER with cap piercer and internal and external Barcode reader for sample identification, making it a totally walkway system, decreasing the manual intervention. The auto sampler should have approx 50 sample loader with additional racks
17. Desirable/optional - facility for sample bar-coding.?? *success m d* ✓
18. There should be alarm to detect low reagent levels along with report on reagent balance available
19. It should have a automatic clot detection system.
20. Data management should have logs for reagents, quality control, calibration, blank cycle, maintenance, patient data, settings, information technology communication and errors by date
21. HB detection method should have preferably hazard free reagents
22. UPS with one hour back up must be provided with the instrument.
23. Special Physical infrastructure if required should be provided by the successful bidder..
24. CMC should be inclusive of printer, UPS and all accessories supplied inclusive of all consumables ,bulb etc except the reagents /system packs.
25. Comprehensive list of these system packs has to be submitted at the time of technical bid itself along with the calibrators.
26. The number of minimum recommended quality control packs for 3 months needs to be clearly mentioned.
 - a. The list of all the regents /system packs which require recurring consumption should be clearly mentioned with the pack sizes and the estimated tests per pack. Shelf life of all reagents should be clearly mentioned with specified for after opening of packs.
 - b. the equivalent number of start up and shut down cycles need to be clearly mentioned and the list of all reagents ,consumables *refer to point 2 for L1* *for 4* *d* ~~for 15000 tests (i.e 3 months, inclusive of start up and shut down:)~~ should be mentioned clearly which will be the basis of calculation for purpose of L1.
 - c. the supplier should be able to supply the reagents on a regular basis with rates valid for atleast 2 years.
28. the supplier should have a good track record and the system quoted should have 2 or more installations in the govt institutions.
29. Free reagents and controls for 5000 test cycles should be supplied with the equipment and the machine installed with calibration certificate.

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Rashmi Jan

Chandrasekhar
 In-charge
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 Bahangir Puri, Delhi-110033

Adm spec
 1) Rate for system packs need to be frozen for 02 yrs
 2) Quotation for 1,00,000 tests - inclusion of all system packs & calibrator will be quoted & will be included for L-1 calculation *for 1/2/14*

Item No. 3

Combined Generator of Ultrasonic & Advanced Radio Frequency Energy for Cutting & coagulation in Surgery

Specification

- 1 System should have a universal connector to connect Ultrasonic energy and Advanced RF energy instruments.
- 2 System should have automatic instrument recognition.
- 3 System should have a touch screen display for fast and setup, operation and on-screen diagnostics.
- 4 System should have a high-resolution display with wide viewing angles.
- 5 System should have the ability for software updates via USB memory stick.
- 6 System should be a single unit that provides Ultrasonic energy and Advanced RF energy technology for soft tissue dissection and vessel sealing
- 7 System should provide Class 1 protection against electric shock
- 8 System should have a single footswitch for operating ultrasonic energy or advanced RF energy instruments
- 9 System should have the ability to select handswitch or footswitch activation or both for Ultrasonic and advanced RF energy instruments and the ability to change selection during use
- 10 System should not have lateral thermal spread more than 1 mm.
- 11 System should not have an auto switch off mechanism.
- 12 System should have standby mode to ensure safety.
- 13 System should come equipped with system diagnostics and troubleshooting guide to pin point any problems in the systems.
- 14 System should have onscreen warning display system for generator overheating, generator software upgrade, handpiece errors and instrument errors
- 15 System should be able to power ultrasonic energy instruments with 55.5 KHz frequency and have the ability to power ultrasonic energy instruments in higher frequency range in future
- 16 The hand piece for the system should come with an inbuilt transducer.
- 17 System should be compatible for open surgery and for laparoscopic surgery.
- 18 System should be compatible with both 5mm and 10mm instruments.
- 19 System should have atleast 5 power settings levels with power level display for ultrasonic energy instruments.
- 20 System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to and including 7mm, large tissue pedicles and vascular bundles.
- 21 All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues.
- 22 System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures with round tip (5mm tip width) in the following shaft lengths (14cm, 25cm, 35cm) and should be both hand & foot activated.
- 23 Systems should be able to power ultrasonic energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures with the following specifications
Open Surgery Instruments:

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19/9/14

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M.S., F.I.C.S., F.M.A.S.
Consultant Surgeon
& Head of Department of Surgery
G.D.S. Hospital, New Delhi-34

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Dr. [Signature] AG...
(Surgery)
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New Delhi - 110 016

1. 9cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple-hand positions-3 pieces
2. 17cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple-hand positions-3pc
3. 5mm Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 23 cm shaft length, ergonomic handle-3pc
4. Curved Blade having telescoping shaft (10cm-14cm) with integrated hand activation control buttons-3pc
5. Dissecting Hook having telescoping shaft (10cm-14cm) with integrated hand activation control buttons-3pc

Laparoscopic Surgery Instruments:

1. 5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 36 cm and 45 cm shaft length, ergonomic handle—6pc
2. 5mm Lap Dissecting Hook, 32 cm long—3pc

- System should comprise of the following

Hardware:

- 1 Generator
- 2 Footswitch & Cable

Accessories:

- 1 Handpieces to fit different types of hand instruments
- 2 Generator Cart
- 3 Adaptors for ultrasonic and advanced RF energy instruments
- 4 Hand Switching Adapter

RF Energy Instruments:

1. Hand probes (two each) of 5mm shaft diameter for both open & laparoscopic procedures with round tip (5mm tip width) in the following shaft lengths (14cm, 25cm & 35cm) and should be both hand & foot activated. Both open and lap devices should be able to simultaneously cut and coagulate tissue

US FDA or European CE Certified.

Sudhin

[Signature]

Dr. S.K. MEENAKSHI
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19/9/14
Pr. P. S. MAN

Item No. 4

Specification for full high definition system for Laparoscopy Surgery.

1. FLAT SCREEN Monitor should have:- Two in number

- LED display with digital video signal inputs.
- 24 inch minimum
- Minimum Brightness 400 cu/m³
- Resolution 1920 x 1200 pixel(Full HD)
- Vertical angle of vision 178 Minimum
- Horizontal angle of vision 178 Minimum
- Contrast ratio 1000:1
- Picture size 16:10
- Medical Grade

Video inputs:-

- 2 x DVI(DVI-D and DVI-i)
- 2 x SDI/HD-SDI(RNC)
- RGB/HD-RGB(5 x BNC or HD-15)
- S Video(DIN-4 or 2 x BNC)
- Composite (BNC)
- VGA(HD-15)

Video output signal (DVI-D)
SDI/HD-SDI(BNC)
RGB/HD-RGB(5 x BNC or HD-15)
S Video(DIN-4)

2. 3 CHIP FULL HD CAMERA WITH ZOOM - one in number

- 1/3 inch micro chip (x3)
- 1080p 60 technology
- With digital DVI-D video output
- With composite S-video(pal) video signal output
- 1920 x 1080 pixels
- Progressive scan 60 Hz
- Automatic dynamic gain function
- White balance can be saved
- Digital signal processing
- 2 camera head push button with six functions
- Camera head dimensions 43 x 53 x 75mm
- Cou dimension 305 x 89 x 305mm
- Camera head should be lightweight
- 8 indications
- 3 user function to be saved
- On-Screen display

Akumar
20/10/14
DR. PRAFULL KUMAR
MB, BSN, FRCR, Surgeon
L.B.S. Hospital, Delhi

121-4
19/10/14
DCPH.

Dr. Anita Saxena, M.D. (Obst. & Gynaec.)
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Spt Dept of Surg
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H.O.D. Surgery
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- Optical zoom(2 x) and digital zoom(2 x) minimum
- CF camera
- Colour bars
- 100-240 V, 50/60 Hz
- scope lock & unlock functions
- detachable camera head from the cable
- endolense focus length 13-32mm

3. Light source should be should be one spare bulb to be needed:- *one in number*

System	Xenon
Integrated Spare lamp	No
Lamp Output	300 W
Lamp Voltage	17 V/15 A
Lamp Intensity Increase	Continuously
Colour Temperature	6000 K
Power Supply	100-240 VAC,50-60 Hz
Maximum Power Consumption	550 VA

4. Insufflations system should have digital micro processor control and should be compatible with B type gas cylinder alongwith tubings - *one in number*

Insufflation medium	Pure medical CO2 gas
Maximum Gas Flow	40 Lt/Minimum
Pressure range	1-30 mm Hg
Intigrated Gas heating system	Must
Automatic Gas Venting system	Must
Power supply	100-240 V AC 50-60 Hz
Maximum power consumption	125 VA
Co2 insufflation tube	2

5. Straight telescope, 0 degree, size 10 mm rod lenses system, length 32 mm minimum, autoclavable fiber optic transmission incorporated - *one in number*

6. Straight telescope, 30 degree, size 10 mm rod lenses system, length 32 mm minimum, autoclavable fiber optic transmission incorporated - *one in number*

7. Straight telescope, 0 degree, size 5 mm rod lenses system, length 32 mm minimum, autoclavable fiber optic transmission incorporated - *one in number*

8. Straight telescope, 30 degree, size 5 mm rod lenses system, length 32 mm minimum, autoclavable fiber optic transmission incorporated - *one in number*

Handwritten signature and date: 26/05/17

Handwritten signature and date: 12/19/17 DCAH

DR. PRAFULL KUMAR
M.D. (Gen. Surg.)
Supt. LBSH

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Dr. Anita Saxena, MD (Obs. & Gynae.)
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(Dr. Vijay Kumar)
Spt. Dept. of Surg.
LBSH

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Dr. P. BINGH
Consultant Surgeon
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9. Straight telescope, 30 degree, size 10 mm rod lenses system, length 45mm minimum, autoclavable fiber optic transmission incorporated. - *one in number*
10. Co 2 insuflation tubes - *two in number*
11. Veress needle of working length 12 cm with luer lock. - *one in number*
12. Complete trocar system 5.5 mm with working length of 100-110 mm with resterilizable silicone flap and pyramidal tip with pin hole near the tip for safety outlet of Co2. - *Three in number*
13. Complete trocar system 10 mm with working length of 100-110 mm with resterilizable silicone flap and pyramidal tip with pin hole near the tip for safety outlet of Co2. It Should have a stopcock for CO2 insufflation. - *Three in number*
14. Hasan trocar complete with blunt obturator, with stop cock for Co2 insufflation and conical attachment for air tight closure and suture fixation. Trocar shaft of 100mm with pin holes near the tip for safety outlet of Co2. - *one in number*
15. Metzenbaum curved scissor, with serrated tips curved to the left with carbide insert and connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle. Working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*
16. Mini Metzenbaum curved scissor, with serrated tips curved to the left with carbide insert and connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*
17. Hook scissor, blunt nose, connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*
18. Maryland fixation and dissecting forceps, curved double action jaws, connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *Two in number*
19. Dissector 90 degree fenestrated jaws, connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*
20. Crile fixation and dissecting forceps curved connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*
21. Atraumatic universal grasping forceps double action fenestrated jaws, connection for unipoller HF cable, dismantable into 4 pieces-insert, outer tube autoclavable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet. - *one in number*

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20/05/14

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Consultant Surgeon
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22. Crocodile grasping forceps extra long jaws, connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
23. Intestinal grasping forceps connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
24. Croce/olmi combination fixation and dissecting forceps specially for gall bladder connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
25. Babcock tissue grasping forceps, rotating, connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
26. Allis atraumatic tissue grasping forceps rotating connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
27. Grasper and fixation forceps with medium serration with connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
28. De baakey atraumatic clamp, jaw length 40 mm connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
29. Grasping forcep 2x4 teeth, connection for unipoller HF cable, dismantlable into 4 pieces-insert, outer tube autoclable peek insulation and handle working length 30 to 33cm, 5 mm rotatable handle without ratchet.- *one in number*
30. Reusable clip applier handle 10 mm with 360 degree roatation for use with multifier cartridges of medium large clips, length 370 mm - *one in number*
31. Reusable clip applier handle 5 mm with 360 degree roatation for use with multifier cartridges of medium large clips, length 370 mm - *one in number*
32. Needle holder, ergonomical axial handle single squeeze ratchet mechanism, straight jaws with tungsten carbide insert 5 mm length 31 cm - *one in number*
33. Needle holder, ergonomical axial handle single squeeze ratchet mechanism, left curved jaws with tungsten carbide insert 5 mm length 31 cm - *one in number*
34. 5 mm dissection L hook. - *one in number*
35. 5 mm spatula- *one in number*
36. 5 maryland dissector of length 5x 330 mm with bipolar HF cable- *one in number*
37. Indian/imported trolley for above set off high quality with heavy duty caster.- *one in number*

Humar
21/09/14

*21-9-14
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Item No. 5

Specification for LED Modular OT Light System

It should provide shadow free illumination with output close to natural day-light and should have optimum color rendering index. The design of the light should be optimized to minimized turbulence in laminar airflow. The light must be CE/FDA approved according to Medical directive and European standards.

*European
Suz*

Twin Dome Light : Dome should be circular and 360 degrees rotatable

Light Source : High power pure white coloured LED's in single Module with faceted Lenses

Intensity at 1 mtr. distance: 160,000 lux + 125,000 approx.

Mounting sizes : 20-32 cm & 17 - 28 should be circular

Colour temperature : adjusted from 3600 k to 5000 k

LED Lifespan : 40000 hrs. approx.

Working distance : 60 to 150 cm

Height adjustment : 115 cm to 120 cm

Day light equivalent pure white LED light

If the single Module goes off, it should not affect the other LED's in the cluster and only the single Module can be replaced.

Key Pad on light housing with following function

1. On/Off Switch
2. Laser Pointer
3. Focusing
4. Light Intensity Control
5. Changing of Colour temperature
6. Illumination in depth
7. Endolight mode

Provision for up gradation to camera.

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Item No. 6

Specifications for Heavy Duty Battery Operated System For Orthopaedic Surgery

S.No	Description
	Drilling & Reaming Hand piece
1	Should have Single Hand Piece for Drilling & Reaming Handpiece, Dual Trigger <i>E trigger control</i> Should be Powered through 'Maintenance Free' d.c. brush-less motors Should have Pistol grip, Fully Cannulated, 360 deg attachment insertion Should have Accurate Variable Speed control through the Trigger Should have Forward / Reverse, Oscillation control on the Hand-piece Should be Sterilizable by Steam Autoclave, ETO, Formalene & through Flash Autoclave Should have Drill speed of 1200 rpm and maximum torque of 150 lbs for Reaming Should have Built in Drill- Reamer switch — 600 - 800 RPM
	Adaptors for Drill & Reamer
2	Jacobs Chuck and Key
3	Synthes type reamers
4	Hudson Modified Trinkle Reamer
5	wire Collet
6	Quick coupling attachment
7	DHS reaming attachment
	Sagittal Saw
8	Should be Powered through 'Maintenance Free' d.c. brush-less motor Should have Pistol grip, <i>Variable</i> Dual speed saw for a wide range of cutting Should have Tool-less assembly of Blades, Should have Accurate Speed control through the Trigger, Should have Plane of Blade movement adjustable in 8 Steps of 45 deg. Should be Sterilizable by Steam Autoclave, ETO, Formalene and in 10 minutes through a 'Flash' autoclave. Should have Free speed of 10000 - 12000 cycles per minute.
7	Sagittal Saw Blade
	Battery Charger
8	Should have Modular Four station battery charger with display with Auto Reconditioning Should have Easy to see and understand diagnostic lights
	Battery
9	Should have Non Autoclavable Battery with life of minimum 300 Charging cycles Should have autoclavable Housing & Shield
	Oscillating Tip Saw (Precision Saw)
10	Should have Oscillating Tip Design to dramatically reduce Vibration & Enhance Handpiece Control Should have Stationary Blade Shaft to Significantly reduce the Potential for Soft Tissue Damage Should have Non - Oscillating Blade Shaft & Variable Speed Control to allow Sureon for Precise Trim & shape bones Should have Dual Speed Hand piece
11	Respon Blades for Oscillating Tip Saw - assorted sizes (10)
12	batteries - 3 each size (small and standard)



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Ji Kanda
10/8/13



Purta
HLL Lifecare Limited
Hospital
Gurgaon, Haryana, India

Item No. 7

SPECIFICATIONS FOR ORTHO O.T. TABLE – ELECTRO HYDRAULIC

- O.T Table should have radiolucent top having head section, three or more sectional back plate with two or more detachable shoulder segments, seat plate with two detachable buttock supports and detachable divided leg plates.
- Should have preferably off centre pillars for full length C-arm compatibility with heavy base.
- Should have sturdy, Hygenic stainless steel/ Chrome Nickel Steel construction accessories- rust proof, resistant to corrosion by disinfectants.
- Two detachable traction bars and detachable buttock supports.
- Electro Hydraulic/ powered table with battery backup with manual operating control in case of handset failure.
- T- Base with 3 or 4 Swivel castors for smooth longitudinal & lateral movements of the table on the floor, with Electro Hydraulic/ mechanical brakes.
- Should have electrical/ mechanical locking mechanism.
- Guide rail/ Tunnel system below the seat plate for x-ray cassette for radiography.
- Waterproof table top detachable rubber mattress.
- Height adjustment between 650-1150 mm without mattress (approx).
Side Tilt: $\pm 20^\circ$ min. (approx)
-Trendlenburg adjustment: $25-30^\circ$ (approx)
-Back Section adjustment: $25-90^\circ$ (approx)
-Head rest: $\pm 45^\circ$ (approx)
- Should have wt. bearing capacity of around 200kg. *for*

ACCESSORIES:

Detachable table

1. Abduction bars with foot traction device.
2. Wide Pelvic support in three sizes. *including Paediatric size*
3. Attachment for tibia and femur nailing.
4. Inner thigh support.
5. Steinman pin holding clamp.
6. Attachment for arthroscopy (thigh holder) and (lateral Thigh support).
Padded support for prone positioning
7. Radioluscent Attachment for arm, forearm & Hand surgery.
8. Pelvic and buttock support for lateral position of patient.
9. Anesthesia Screen.
10. Padded Arm Rest
11. Shoulder support
12. Lateral support with pads.
13. Knee stabilizer/ support

K. Ravi
20/9/2014
MS (MCH)
Dr. KIRTI BHAI
Medical Superintendent
Maharshi Valmiki Hospital
Pooth Khurd, Dehra Dun

NOTE: Good performance until 3 years

9

- Company and equipment should meet international standards criteria of quality i.e. European CE / US FDA approval.
- Availability of spares for at least 10 years.
- Warranty – 5 years Comprehensive Warranty of every part of the table, CMC- 5 years including remote control.

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Item No. 8

Technical specifications of C-ARM Mobile Image Intensifier

C-Arm with 19 inch or more LCD display. 1K X 1K High resolution imaging chain with progressive scan CCD camera, 9" Image intensifier and dedicated computer based acquisition system.

The unit should be based on digital technology for unparalleled reliability and ease of use.

The movements should be smooth having very simple positioning mechanism. (The values are indicated but slight variation of upto 10 % may be acceptable)

X-RAY GENERATOR:

- ✓ High Frequency 50 KHz X-Ray Generator with power output 6KW or more should be provided.
- ✓ Operating modes should be provided:
- ✓ Radiography
- ✓ Fluoroscopy: continuous, single pulse, multi pulse
- ✓ KV Range (Rad./Fluoro): 40 to 120KV.
- ✓ Radiographic mA Range: more than 75 mA
- ✓ Fluoroscopy mA output: Up to 5mA or more (Normal Fluoroscopy)
Up to 15mA or more (Boosted fluoroscopy)
- ✓ mAs output: 0.1 - 200mAs or more

X-RAY TUBE:

- ✓ Dual focus Rotating Anode X-Ray Tube of focal spot 0.3mm² (small) & 0.6mm² (large) to be provided.
- ✓ Anode heat storage capacity should be more than 250KHU.
- ✓ Motorized Iris Collimator with auto shut off facility for light should be provided.
- ✓ Laser centering device

CONTROL PANEL:

- ✓ LCD Display for following parameters should be provided:
Display on which KV, mAs, Fluoro Time, I.I ZOOM and Body part, View of Radiography are displayed on Wide angle LCD.
 - ✓ APR (Anatomical Programming) in Radiography Mode i.e. pre- selected parameters are programmed in the machine as per the Body Part selected/to be exposed should be provided. APR should cover Spine (Cervical, Thoracic, Lumbar and sacral) and extremities.
- Exposure Modes: Continuous and Pulsed Fluoroscopy up to upto 30 FPS.

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11/11/14

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Dr. Manish
Mansukhani

[Handwritten signature]
Dr. S. S. Yashwanth
10/11/14

[Handwritten signature]
Dr. ASHISH GOYAL
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Dr. SANJEEV GAMBHIR
Spl. (ORTHOPEDICS)
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- ✓ Timer (Fluoroscopic): Fluoroscopic cumulative timer of 5 minutes with beep.
- ✓ Tube safety Sensor: X-Ray Tube head Temperature Sensor for Thermal Safety cut off.
- ✓ Switches: - Mode Selector Switch.
 - Collimator Control Switches.
 - I.I. Zoom Selection Switches.
 - Exposure initiation Switches for Fluoro/ Radiography.
- ✓ ADRC MODE: Auto Dose Rate Control for consistent image quality.
- ✓ Self Diagnostic: Various system interlocks should be displayed on LCD screen for effective and prompt troubleshooting.

STAND:

- ✓ Up/Down movement (Noise free Actuator movement): A least 425mm
- ✓ Horizontal Movement: At least 200 mm.
- ✓ Arc C^o - 90° + 30° (120°)
- ✓ Wig wag - ±2.5° (25°)
- ✓ Rotation: ± 180°
- ✓ Free Space: 730mm or more
- ✓ Focus Screen Distance: 950mm or more
- ✓ Arc Depth: 600mm or more
- ✓ Locks: Locks for all the movements.
- ✓ Foot lock: Control Stand foot lock.
- ✓ Steering wheel for easy steering & movement should be available.

High resolution Imaging Chain:

- ✓ 9 Inches, Triple Field Image Intensifier should be provided.
- ✓ CCD Camera with a progressive scan sensor of 2/3" of 1K x1K Medical Grade
- ✓ The acquisition should be made at 14 bits.
- ✓ **MEMORY SYSTEM:**

PC based memory system with the following features should be provided:-

- Image processing software with Real time image capturing, storage, and display in 1kX1k
- Cined Fluoroscopy (CINE) up to 30 FPS with real time recording on Hard Disk Drive.
- More than 1000 image storage capacity in 1K x 1K format
- Dicom 3.0 Ready
- Dicom CD/DVD
- Connectivity with PACs and HIS

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- Pen drive connectivity
- Length and angle Measurements with Annotation
- Pre Programming for Image setting for different operating Modes.
- Image Flipping and Image rotation
- WW/WL adjustments
- Recursive Filters for image smoothening
- Programmable Motion Detection facility
- Gamma Curve adjustments for optimum image quality.
- Zoom with Pan
- Image Inversion

MONITORS:

- ✓ 02Nos. Medical Grade Monochrome high brightness, High contrast 19" or more LCD Monitors should be provided.
- ✓ High-end monitor trolley with monitors, *With* height adjustable movement to facilitate viewing of images at most convenient eye level position, integrated keyboard having feather touch keys and touch pad should be provided, big wheels *for better mobility is desirable*

POWER SUPPLY REQUIREMENT:

- ✓ Single Phase, 230 Volts, AC, 15 Amps, 50 Hz \pm 10% Regulation. Independent earthing required on the wall socket in the Room. Servo voltage stabilizer mounted on trolley.

ACCESSORIES:

- ✓ Lead Apron (Lead Equivalence 0.5 mm) regular size - 10 Nos. *(light weight ISI approved)*
- ✓ Thyroid Shield 10Nos. *file*
- ✓ Mobile X-ray stand with 10 hangers -1Nos.
- ✓ C arm disposable cover- 100 pieces
- ✓ Laser Printer - 1No.

Other Requirements:

- *Good performance certificate from atleast 3 Govt / reputed hospitals having similar installation.*
- ✓ The company should be ISO 9001:2000, ISO 13485:2003, *and FDA / CE (European) certification.*
- ✓ The unit should be approved by AERB.
- ✓ The company should have a local Service center.
- ✓ 5 years warranty on all supplied items including x-ray tube accessories.
- ✓ 5 years comprehensive maintenance charge (CMC) of all items.

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Dr. Ashish Goyal
15/10/2014

Item No. 9

Specifications for Digital Radiography System with Single Flat Panel Detector

Digital Radiography System for General Radiography with a single flat panel detector should be of the latest technology and capable of taking complete range of radiographic examinations. The design of the system should be easy to use and should be upgradeable to a multi-detector system with minimum redundancy.

The Digital Radiography System should consist of a single Flat Panel Detector (FPD) with Thin Film Transistor (TFT) and Amorphous Silicon Technology.

Specifications – Digital Radiography Solutions – Fully Integrated:

Digital X-Ray Flat Panel Detector (FPD with TFT Technology)

1. Single Flat Panel Detector with Vertical Bucky
2. Technology used in the detector should be of Amorphous Silicon
3. Scintillator material should be Cesium Iodide
4. Charge read out: Thin Film Transistor array.
5. Detector should be of minimum 35cms x 40cms size (14"x17") size film.
6. The detector should have a minimum spatial resolution of 3.0 lp/mm
7. Detector array size: Should be a minimum of 2K x 2K pixels.
8. Pixel Pitch : 150 microns or less
9. A to D conversion : 14 bits or better
10. DQE of detector should be more than 60%.
11. The detector should be able to work at normal room temperature and humidity.
12. Images should be available in about 5 secs for pre-viewing after exposure.

X-Ray Tube Mount:

13. The X-Ray tube should be mounted on a 3D column to support full range of General Radiographic applications.
14. The column should support up and down movement of the tube with electromagnetic locks.
15. The tube mount should have free rotation about its axis for various positions and radiographs.

X-Ray Generator:

16. It should be of latest Technology – High Frequency inverter type for constant output.
17. Output should be 50KW High Frequency or better
18. KVP range: 40- 150KV.
19. Output at 100 KV should be 500 mA or more.
20. It should have overload protection.

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21. System warm up time should be minimum.
22. There should be integration of generator and the imaging acquisition console.
23. Of the generator, tube and detector at least 2 should be from the same vendor.

X-Ray Tube and Collimator:

24. Rotating anode tube with Dual Focal Spot: 0.6 mm/ 1.2 mm.
25. Anode Heat Capacity should be 300 KHU or better with high speed rotation of 8000 rpm or more.
26. Multileaf Collimator should have halogen light with auto shut off

Vertical Bucky:

27. Should have easy up and down movement with electromechanical locking for height.
28. The vertical bucky should support removable grids of different ratios (10:1/ 8:1/ 6:1).
29. The system should have AEC.

X-Ray Table:

30. The table should have a fixed base with low X-Ray absorption floating table top..
31. It should have electromagnetic locking.
32. Should have load capacity of up to 200Kgs.

Digital Radiography & X-Ray Operation and Control System(s):

33. The console for operations of the X-Ray and Digital Radiography System should be fully integrated.
34. The Digital Radiography Systems should comprise of:
 - Pre-view: For fast and Quick preview of images with the following features:
 - i. Preview of images should be available in 5 seconds or less
 - ii. Should offer capability of local image storage in case of emergencies.
 - iii. Should have capability to push images to location such as: Workstations, PACS, External Storage Devices and DICOM Printers.
 - A workstation with the following features as standard:
 - i. Full range of basic Image Processing tools such as: Zoom, Pan, Window, Annotation, Magnification, Measurements etc....
 - ii. Storage of 3000 images or more locally.
 - iii. System should have capability to support Dual Monitors.
 - iv. Monitor should be flicker free and of high resolution – TFT / LCD, 19" or better.

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- v. The workstation should have reporting software as standard.
- vi. The workstation should be capable of configuring Multi Format Images for DICOM Printers.
- vii. The system should have facility to burn CD/ DVD.
- Whole body skeletal Radiography imaging system including workstation. Full spine/ Skelton display with provision for all skeletal measurements should be available. (To be quoted as optional).

Accessories – To be offered as standard:

- 35. Online UPS with 30 minutes backup for the following:
 - DR Control and Operation computer system
 - Workstation
- 36. Appropriate Servo stabilizer for the X-Ray Generator.
- 37. Dry Chemistry laser Camera with at least 500 DPI resolution to make minimum 3 online film sizes including 14”X17 size.
- 38. Lead Glass viewing window 100cm x 120cm
- 39. Light weight lead aprons, Thyroid shield, gonadal shield – 2 no’s.
- 40. Restraining devices and binders—2 no’s

Others

- 41. The Digital Radiography System offered should have the following:
 - European CE/ FDA or equivalent certification.
 - AERB type approval permit to install in India
 - Easy availability of spares in India
 - The bidder should have a minimum of 3 installations of a similar DR system in India at institutions of repute. Out of these at least one should be a Government institute, doing atleast 200 X-Ray examinations per day. Good performance certificate to be provided from three users.
 - Should be able to demonstrate a similar system within India, if needed.
 - Installation should be done free of cost.
- 42. Onsite training of technical staff to be provided until the staff is fully trained.
- 43. The supplier shall carry out all the necessary modification which may be needed without any extra cost so as to meet the mandatory radiation safety norms of AERB. The supplier shall meet all the statutory requirements and to take approval of the Competent Authority for import and installation of the equipment. Viz AERB approval of layout plan etc.

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Head Radiodiagnosis

- 44. The vendor shall coordinate the shipment of the equipments with the pace of work at site, which should be planned in such a manner that the equipments are installed for use within three months from the date of the placement of the orders.

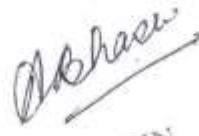
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45. The complete system including tube and detector is to be guaranteed for 5 years and labour AMC for subsequent 5 years i.e. 6th to 10th years. Further CMC including X-Ray tube detector, other parts should be offered separately for the 6th to 10th years.

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Item No. 10

TECHNICAL SPECIFICATIONS FOR 300mA HIGH FREQUENCY X-RAY EQUIPMENT SUITABLE FOR GENERAL RADIOGRAPHY

A. GENERATOR:

- High frequency X-Ray Generator having Frequency of 30 KHz or more suitable for Radiography.
- Power Output of Generator should be 30 KW or more.
- Radiography KV range should be 40 to 110 KV or more.
- Radiography mA : up to 300 mA.
- mAs : 200 mAs or more.

B. CONTROL :

A very compact, Soft Touch Control Panel having following functions & indications. The Panel can be supplied in Floor or Wall mount Following features should be available on the control Panel.

- Machine ON/OFF Switch.
- Digital Display of KV & mAs.
- KV & mAs increase and decrease switches.
- Tube focal spot selection Switch.
- Ready and X-Ray on switch with Indicators.
- Preferably Anatomical Programming.
- A dual action hand Switch with Retractable cord is provided for Radiation Protection of Operator.

C. X-RAY TUBE:

- One number Dual focus Rotating Anode X-Ray Tube having focal spots should be provided
 - Small focus : 1.2 mm or smaller
 - Large focus : 2.0 mm
- Anode heat storage capacity of tube should be more than 150 KHU or equivalent to Jule.
- HV cable : One Pair of High Voltage Cables.
- One number manual collimator with aluminium filter & for adjustment of exposure area.

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D. TUBE STAND :

Floor to Ceiling Stand with Counter Balanced Tube Head Rotatable \pm 180 Degree and Column Stand upto 360 Degree

Rotatable; mounted on Floor Ceiling Rails for convenient movements should be provide.

E. TABLE :

- Multiposition table should be Hand Tilt and 5 Position Manual Table; Trendelenburg to vertical, Motorised Bucky should consists of 8:1, 85 lines/inch.
- Accessories like Stainless Steel Cassette Tray; Compression Band and Foot Rest.

F. OTHERS ACCESSORIES :

- Three Panel Lead Protection Screen with minimum 3x6 sq.ft size of each Panel with 1.5 mm thick lead equivalent – **01** Number.
- Lead apron 0.5 mm with 1.5 mm thick lead equivalent, light weight – **02** Numbers.
- Chest Stand, capable of taking cassettes of size 8" x 10" to 14" x 17" – **01** Number.

G. POWER REQUIREMENT :

Unit should operates on 220V to 240V AC, 50 Hz, Three Phase – Max. Allowable line Regulation \pm 10%.

H. OTHER REQUIREMENTS :

- The company should be ISO – 9001:2008, ISO-13485:2003 company with CE Certified products.
- The unit should be type approved by AERB.
- The company should have a local Service centre.
- The company should provide 05 years comprehensive warranty followed by 05 years free AMC.

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Item No. 11

Specification for Colour Doppler Ultrasound Machine

- The system should be latest fully Digital Whole body Color Doppler Ultrasound System and can be used for applications like Abdominal, Obs /Gynae , small parts, Endocavitary, Paediatric & Vascular applications. The system should have following essential features:
- The system should have the following image modes: 2D, M mode, PW, Tissue Harmonic mode, Color Doppler, Power Doppler mode.
- The system should have minimum 20,000 or more digital processing channels and 256 or more grey shades.
- The system should have a very high dynamic range of 170dB or more and should independently selectable in B & M mode. Please specify the range.
- The system should have a very high frame rate for B-mode & Colour mode. Maximum frame rate should be at least 1000 fps for B-mode & 150 fps for colour mode. Please specify the maximum frame rate in B-mode & M-mode.
- The system should be able to support all type of transducers (Convex, Endocavitary, Linear, Phased array and Intraoperative Transducers).
- The system should have advanced measurement packages for all applications.
- The system should an integrated high resolution TFT/LCD of 18 inches or more with facility of tilt and swivel. It should have minimum 1024 X 768 pixels.
- The system should have minimum three active universal ports & at least two parking ports. Active ports can be directly selectable from the control panel.
- The system should have scanning depth in the range of 2- 30 cms.
- The system should have a very high capacity of Hard DiscDrive min.150 GB built in for storage of images.
- The system should have inbuilt CD/DVD R/W and USB ports for image export.
- The system should have zoom facility both in real time and frozen image and it should be minimum 6 times or more in both real time & frozen modes.

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- Specify the number of steps for transmitting focussing (transmit focal zones) and adjustable gain should be available up to 100 dB for B-mode and M-mode.
- The system should have Directional Power Doppler to define the low blood flow directions.
- The system should have HD-flow/Advanced dynamic flow/Adaptive Colour Doppler to acquire the blood flow with directions in the deeper region at a very high frame rate.
- The system should have automatic optimization in B-mode and auto adjustment of Doppler base-line & velocity range.
- The system should have B-mode image steering & Color Doppler steering. Please mention the angle.
- The system should have the facility of trapezoid imaging with linear probes.
- The system should have real time compound imaging technology for getting better image quality.
- The system should have Contrast Harmonic Imaging with quantification available with Convex probe.
- The system should have the facility of on-screen adjustment for Dynamic range, Frequency selection, Presets, Name of the patient etc.
- The system should have extensive calculation software packages for general measurements, obs/gynae, vascular and small parts
- The system should have the facility to view the Thumbnail images and system can be programmed for various users with the facility of user passwords.
- The system should be upgradeable to Real time 3D (4D) package.

System should be offered with the following probes and accessories:

- (a) Convex/sector probe with frequency range of 3.0-6.0 +/- 1 Mhz with THI
- (b) Endovaginal probe with frequency range of 5.0-7.5 +/- 1 Mhz with THI and minimum field of view of 125 degree.
- (c) Linear probe with frequency range of 6.0-11.0 +/-1 Mhz.
- (d) 2 KVA On-line UPS with 30 minutes back-up.
- (e) B/W thermal printer with 10 high density paper rolls.
- (f) Colour Laser Printer

- The system should be US FDA/European CE approved.

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The system should have five years comprehensive warranty for the entire equipment, probes and accessories followed by free five years labour AMC.

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Item No. 12

ENT DIAGNOSTIC & THERAPY UNIT

ENT Unit should be a modular unit with following features/accessories integrated

- i) Auto start suction system with display minimum 55L/min. with accessories.
- ii) Ear irrigation module 20°C-47°C with digital display for ear rinsing electric temperature monitoring with irrigation handle with splash protection, Flow adjustable from 50 to 500ml/min.
- iii) Compressed air module with display of vacuum gauge & pressure regulator, three medicament sprayers bottles & Politzer olives
- iv) Automatic switching unit for compressed air and suction with separate micro switches
- v) Rinsing bowl with separate suction channel
- vi) 2 channel LED light module for LED headlight, LED light source with service life of 50,000h with 2m cable
- vii) Mirror heater, heated instruments trays
- viii) Clipboard with integrated charging unit for otoscope, cotton & tongue patches dispenser
Cold light system with four exits and automatic memory switch, cable with L-18mm, D-15MM
- ix) Holders for four endoscopes (4 mm) heated with disinfection time monitoring
- x) Telescope 4 mm 0°, 30°, 45°, 70° (1 each)
- xi) Four quivers which can be filled with disinfectant solution, for storage of used scopes
- xii) Waste bin Electric inbuilt
- xiii) Deposit tray for used instruments, writing surface, spare bowl for used inst. with cover
- xiv) Mirror pre-heater for at least 70 mirrors
- xv) ENT Radio surgical System with four operating modes: cutting, cutting coagulation monopolar coagulation and bipolar coagulation in built in drawer with accessories, cutting performance 100w coagulation performance 90w
- xvi) Smoke evacuation system with complete accessories inbuilt with automatic switch off, pump performance up to 600l/min
- xvii) Vibration-free mobile microscope manual control with 5 steps magnification with apochromatic optics to be mounted on main module, 10X wide field push in eye pieces with locking diopter. 0-180 deg. Inclination binocular tube with focal length of 200mm or more. ENT Camera with image memory via footswitch should have digital zoom, TFT-Medical grade Monitor 17".
- xviii) Patient Chair, electromotive height adjustment by pedal switch
- xix) Doctor's Chair, five soft double conductive castors, height adjustment by pedal release
- xx) Module for instruments deposit

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Item No. 13

ENT OPERATING MICROSCOPE

(Specifications)

With apochromatic optics.

Hand grips should be present for easy handling (sterilizable & disinfectable).

Motorized zoom adjustable via handgrips & foot control. — *Should be motorized*

Internal, motorized, continuously adjustable focusing system triggered via handgrip & foot control.

Working range 200 – 415 mm.

0 - 180° Tilt able or inclined main binocular tube f = 200 mm, 10x wide field eyepieces with eye guards.

Inter pupillary distance adjustable from 55 mm to 75 mm.

LED Light illumination with average service life of 50000 to 60000 hours with preferably display of led lamp life time hours left or used.

Ultra Violet & Infra red light filter.

115 V / 230 V ± 10%; 50 Hz – 60 Hz.

Beam splitter both sides with assistant binocular observation tube and C mount. Movable floor stand with lockable castors.

1 CCD Camera with 752 [H] X 582 [V] resolution with LED / LCD monitor [Wall Mounted] with image freeze and live image facility.

~~Classified as class I medical device and CE (European)/ US FDA approved.~~

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Item No. 14
Phaco Emulsification System

phaco Emulsification system

Used in microsurgical fragmentation and aspiration of the nucleus and lens matter of the eye

- 1- Pump – Peristaltic digital pump / inbuilt vacuum based pump (Venturi System)
- 2- Fluidics – Closed fluidic system
 - Maximum vacuum range to more than 500 mm Hg
 - Aspiration > 40 cc/min in peristaltic systems
 - Vacuum and aspiration control linear or panel in peristaltic system
 - Reflux gravity fed/ controlled by foot pedal
 - Venting – fluid venting system
 - Automated I/V pole > 120 cm or manual
- 3- Ultrasound – hand piece with 4-6 quartz crystals to deliver 28 – 40 K h z frequency for consistent power.
 - Hand piece to be compatible with both straight and bent tips, *non linear ultrasound mode of delivery*
 - Linear, burst, pulsed needles
 - Micro pulse with pulse shaping technology
 - Micro pulse technology to be available in both continuous mode of ultrasound and within pulse mode of ultrasound power delivery system
 - Phaco pulse frequency setting and duty cycle to be adjustable
 - Hand piece to drive programmed duty cycle pulses.
 - Shorter, longer pulses and power pulses with adjustable numbers of pulses
 - Occlusion mode may be programmable
- 4- Tubing pack options
 - Reusable tubing or cassette to last for 25 packs
 - If disposable packs 250 packs cost to be included

Ph 5- Anterior ~~ex~~rectomy probe with variable cutting & maximum cutting rate more than 600 cuts per minute.

Probe to be reusable oscillating / guillotine style and autoclavable

Foot pedal control

6- Diathermy specification

- Power adjustment : 5 -100 % in 5 % increments
- Power : 10 Watts
- Frequency > 35 KHz
- Unipolar / bipolar

7- Display - > 8" wide colour LCD display of phaco emulsification power & vacuum rates

8- Memory - For different surgeon's parameters

9- Foot pedal - Programmable detents and side switches

10- 30 tips (300) to be provided

11- Compatible *stents* ~~stents~~ 100

12- UPS to be supplied

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Item No. 15

SPECIFICATION FOR OPERATING MICROSCOPE PHTHALMIC

MICROSCOPE:

1. Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio.
2. Magnification factor 0.4 to 2.4.
3. Focusing range 50mm \pm 5mm *Adjustable*
4. Binocular tube: Tilttable tube with integrated image inverter.
5. Eyepieces: 10X with +8D to -5 D compensator.
6. Objective lens f= 200mm, 65mm diameter.
7. Deep view: Depth of field management system for optimal depth perception & maximum light transmission.

ILLUMINATION:

1. Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of Red reflex even with strongly pigmented decentered and ametropic eye.
2. Retina Protection Device and contrast enhancement aperture.
3. Integrated 408nm UV barrier filter/ Blue blocking filter/ fluorescence filter.

X-Y COUPLING:

1. Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility.
2. Approximate range 60mm x 60mm adjustable range.
3. Stereo co observation attachment with 360 Rotation -2 joints.

SUSPENSION SYSTEM:

1. Motorized foot controlled Zoom and focus with re-centering of focussing position through foot control. Image inversion facility on foot control.
2. Wireless foot Paddle
3. High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of 14Kg or More.
4. Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal.
5. Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp with in built lamp housing with two lamps, with automatic Lamp changeover facility.

CCTV ATTACHMENT:

1. CCD Light weight Camera with integrated camera control unit in the floor stand & programming through LCD display in the floor stand.

NETWORKING:

1. Wireless interface for microscope including 10 meter cable.

WIDE ANGLE VIEWING SYSTEM:

1. Wide angled non contact observation/ viewing system (autoclavable) with field of viewing 120Degree or more.

Arshad
Director PHTHALMIC
Gum Hospital
Govt. of Maharashtra
Maharashtra
D. J. GHOS
Director & HO
MAMC

Arshad
19/10/12

Raj

Bygajin
20/10/12

Item No.16

DEPTT. OF OPHTHALMOLOGY

SPECIFICATIONS

TYPE	ND:YAG
Laser wave length	1064nm
Mode	Super Gaussian
Optical Break Down	2.5MJ in air
Pulse Length	<4ns
Output Energy	0.3-10.0MJ/Pulse continuously variable
Energy Level	22steps
Pube repetition frequency	2-5Hz 2 to 3 mhz
Focus diameter	10micron in Air
Come Ange	16degree 12-18 degree
Aimi Beam	Multi point aiming beam system for focassy laser Diode 670nm.
Fouc Shift	0-150 micrometer continuously varioiable,towards both anterior chamber & posterior chamber.
Illumination	12V,30W Halogen lamp ,adjustable.
Magnification	32 x 6.2mm , 20 x 10mm,12.5 x 16mm, 8 x 25mm, 5 x 40mm.
Tube P.D.Adjustable	Parallel tube F= 140mm, 55 to 78mm
Eye Piece	10 x high point eye piece with +/-8 D compensotium
Slit Adjustment	Width 0 to 14mm, continous
Slit Length	In steps 1,3,5,9,14mm
Laser Delivery lenses	2nos Abraham iridectomy lense

Sanjay, Kumar
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 M.B.B.S., M.S. (Ophthalmology)
 DMC Regd.-19901
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Poonam Kumar
 Jr. Specialist, eye
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Khyana Singh

Page ① 5 ①

Item No. 17

Technical Specification for High definition OCT

Oct Scanning

- Axial resolution: 5 um (in tissue)
- Transverse resolution: 15 um (in tissue)
- Scan speed: 27,000 A-Scans per second
- A-scan depth: 2.0 mm (in tissue), 1024 points
- Optical Source: superluminescent diode (SLD), 830-840 nm

PK

Fundus Imaging

- Live during scanning
- Transverse resolution: 25 um (in tissue)
- Optical source: : superluminescent diode (SLD), 750 nm
- Field of view: 36degree x 22degree

Scan Patterns

- Macular Cube 200 x 200 Combo: 200 horizontal scan lines comprised of 200 A -scans
- Macular Cube 512 x 128 Combo: 128 horizontal scan lines comprised of 512 A0scan
- 5 Line Raster: 4096 A-scan per B-scan (adjustable length, spacing and orientation)

Software/ Normative Data

FDA approved normative database for RNFL, ONH & MACULA. Macula thickness analysis and Macula change analysis. RNFL Thickness analysis and. Guided progression analysis (GPA) for RNFL & ONH. Advance visualization and 3D display. Enhance depth imaging (EDI). Auto fovea finder, auto Disc center for Glaucoma. Single eye summery report.

Manish

Focus Adjustment Range
Fixation
Computer

-20D to +20D (diopeters)
Internal an External

- Computer with i7 or higher processor should be integrated in the system with at least 17" high resolution color flat panel display.
- Windows® XP Pro, Archiving on External Hard disc 1 TB (NAS).
- High-performance multi-core processor
- Internal storage:> 80,000 scans
- CD-RW, DVD-ROM drive
- External computer & 17" display not acceptable.

PK

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Online UPS is a must.

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Manish
212113 - C (Goyal)

Item No. 18

Optical biometer

...nt to provide facility for the measurement of (1) Axial length (2) Keratometry (3) Anterior chamber depth (4) WTW measurement (5) Pupil size.

To provide sectional lens image, pupil image and reflected image of double mine rings. To be able to provide accurate measurement for:-

1. Axial Length	Range	Minimum = 15 mm Maximum = 38 mm In increments of .01 mm
2. Corneal curvature radius		Minimum = 6 mm Maximum = 10 mm In increments of .01 mm
3. Anterior chamber depth		Minimum = 1.6 mm Maximum = 5.0 mm Display increments of .01 mm
4. White - White distance		Minimum = 8 mm Maximum = 13 mm Display increments 0.1 mm
5. Pupil size		Minimum = 1mm Maximum = 9mm Display increments 0.1 mm
6. IOL Calculation formulae		- SRK - SRK II - SRK /T - Binkuorst - Hoffer Q - Holladay II - Haigis

- > IOL Power calculation with multiformula, multilanes mode.
- > To have auto tracking in X-Y-Z direction & auto shot.
- > To have integrated 'A' constant optimization for IOL calculation formulae.
- > To have display tilt able 8.4 inch color LCD touch screen.
- > With thermal printer with automatic paper cutter.
- > Interface LAN, USB
 - Date transfer to office management system of PC.
 - Data export to CD-RW.
- > Power supply AC 100-240 V 60 Hz.
- > Suitable power backups to be provided.

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 Govt. of NCT of Delhi
 Mahatma Ranjit Sing

Item No. 19

Specification for Digital OPG Machine

1. Fully digital panoramic X-ray Machine.
2. It should be in compliance with AERB Guidelines.
3. It should have facility for following.
 - a. Panoramic Radiograph for Adult / Child.
 - b. Half Side Left or Right exposure.
 - c. TMJ Views with open and closed occlusion.
 - d. Implant planning
4. Shadow of Cervical vertebrae / Spinal Column should not interfere with viewing of front teeth.
5. Should be compatible to upgrade with cephalogram at later stage.
6. Comfortable patient positioning.
7. Easy to operate.
8. Low dosage, high quality image.

Tube Voltage – 60 ~ 90 kV

Tube Current – in range of 2 ~ 16 mA

Exposure Time – Should not be more than 15 Sec in full panoramic view.

Equipment with all the accessories needed for immediate working. It should be able to store images in such format so as to use universally and the software must be able for direct acquisition of images from RVG, Intra Oral camera, Digital Photography.

① USA, FDA Certification approved and/or European CE approved / T.U.V. *K. R. Sharma*

approved
Nanika Kals

K. R. Sharma

Item No. 20

DENTAL SIMULATOR AND WORK BENCH SPECIFICATIONS

A) PHANTOM HEAD REQUIREMENTS:

Torso type Phantom Head with:

- a) Articulated upper and lower jaws 32 ivory screw able teeth with a mounting device (Frasco/Colombia/Kavo/Dentoform).
- b) The phantom Head should allow 3-dimensional movements with human like head rotation.
- c) Dental training system complete with phantom head (Torso type) with sophisticated exchangeable articulator. Condylar movement for allowing three-dimensional protrusive, mediotrusive and laterotrusive excursions. : The inclination of condylar guidance should be adjustable on both sides thus allowing the ideal anterior and canine guidance or a fully balanced occlusion to be simulated. The basic geometric dimensions should be able to be measured with compasses and the models transferred to partial and fully adjustable articulators. It should be provided with corresponding fixing pins at the hinge-axis points for mounting of anatomical face bows and hinge-axis localizers. Neck movement should be in the anatomically correct position.
- d) Face mask with water drainage nozzle and removable elastic tongue.
- e) Dental model i.e. articulating upper and lower model jaws (32 screw in teeth) and elastic removable gingiva
- f) Mounting assembly for fixing to the tableside or to a container.
- g) Motorized simulator positioning controls.

B) DELIVERY ARM AND INSTRUMENT ATTACHMENTS:

i) Delivery arm

- The delivery arm should have overhead/Top-side access
- It should be possible to adjust the height of the delivery arm.
- Motorized control of the phantom positioning should be possible
- Instrument delivery arm should be balanced with easy maneuverability
- Attached tray for keeping instrument which is scratch, staining and burns resistant.

ii) Instrument Attachments

Operator :-

Automatic controls (Lift to activate)

Shalwa
6/6/2014

Sanku
6/6/14

Ramkumar
10/7

Namli Ksh
30/5/14

1. Air-rotor attachment with two autoclavable handpieces having in –built anti-retraction device and quick change
2. Micromotor with autoclavable straight and contraangled handpiece. The speed should range from 100 to 40,000 rpm
3. Three way syringe. With autoclavable sleeve
4. Polymerization unit: LED polymerization light preferably with different curing modes, autoclavable light guide, with protective shield and adjustable audible timer.

Assistant:-

Automatic controls (Lift to activate)

1. Low volume suction.
2. High volume suction
3. 3-way syringe.

(iii) Touch pad

- It should be digital
- It should control the following:
 - o Operating light
 - o Instrument attachments
 - o Simulator positioning
 - o It should control the speed of Airrotor, Micromotor.

(iv) Foot control

- It should be digital
- Should control working of operating light, instruments, simulator positioning.

(v) It should be possible to position the simulator away after use (preferably the folding position should be vertical).

C) SIMULATOR OPERATING LIGHT

- Shadowless, cold operating light with maximum light intensity upto maximum of 30000 LUX
- The operating light should be stably mounted with enough arm length for both left and right handed operators
- It should be drift-free
- Autoclavable handle cover
- On/off switching should be controllable from operating light as well as simulation unit.
- There should be provision for intensity adjustment

Slater
6/6/2014

Shankar
6/6/14

Darshini

Natasha

DENTAL SIMULATOR AND WORK BENCH SPECIFICATIONS

WORK BENCH DESIGN

- Dimensions: Height width- [Length = 3.7 feet - 4.1 feet ; Width = 2 feet - 2.7 feet Height = 2.9 feet]
- It should be Corian top which is scratch, staining and burns resisitant
- It should have back shelf on work surface with electrical sockets (15 Amp +5 Amp 3 pin socket).
- 3-4 lockable drawers with master key

Suction Units / Compressor Unit

- Compressors to be provided for each simulator unit / catering to multiple units
COMPACT & NOISLESS.
- Drainage system for every individual unit which will include both inlet / outlet water –
COMPACT.

Shalwar
6/6/2014

Jankes
6/6/14

Dunbar
Nat Koh
5/5/14

Item No. 21

Maulana Azad Institute of Dental Sciences

Specifications for Digital OPG X-ray machine

S.No.	Specification	Description
1	System	Digital OPG x-ray system with all Flat panel or multilinear CCD, Separate Sensors for OPG and Ceph, DICOM Compliant
2	Type Approval Certificate from AERB	Attach a copy AERB's Type Approval Certificate (TAC) or NOC for the model quoted. Companies who have applied for TAC may quote but they must attach a copy of the application.
3	Patient friendly	The machine should demonstrate movements without exposure for patient reassurance.
4	Operating voltage, current Rating and Automatic Voltage Stabilizer	Must work on 220/240 Volts 50Hz It should have protection on both plus and minus 10%. The system should be operable up to 40 deg C and 70% plus Relative Humidity. Amperage for operation should not exceed 15 A The system must be quoted with a high-quality Automatic Voltage Stabilizer with spike suppressor, POWER ON delay feature, preferably from APC.
5	Generator	The generator must be inverter type (frequency based). Mention Generator frequency in kHz
6	KV range	60-90 kV or more
7	Vertical Movement	Vertical movement preferably motor driven with brakes
8	Automatic Exposure Control	Preferable to have Automatic Exposure Control and it should be functional at the time of handing over.
9	Exposure Time	Mention Exposure Times for OPG, CEPH (direct) and TMJ. Shorter the better.
10	Imager for Hard Copy	Quote a Dry chemistry/laser camera of high resolution for Hard copies with selectable Film format, specially 5"x12", 8"x10" and 10"x12" 600 dpi or more Resolution Day Light Loading No. of drawers for films 2 or more DICOM compliant 220/240V 50 Hz Operation 50 packets of films should be Included for above sizes.



11.	Paper/Transparency printer	Quote for a paper and Transparency Printer as a part of the system as a second hard copier. 50 Packets of transparency sheets to be given with the Printer. (100 each)
12.	Safety Features:	Mention all the patient safety features of your system.
13.	Positioning laser	Positioning laser should be provided.
14.	Gray Level	12 bit or more
15.	Active Sensor Area	Mention the active sensor area (ASA) for Panoramic x-ray and CEPH
16.	Exposure to Display Time	Mention exposure time from the exposure to Image Display in OPG and Ceph (direct exposure). The shorter the better.
17.	Cephalometry Unit	Separate Digital detector Mention the Exposure time. Mention the Ceph Arm length. Different views of patient i.e. Lateral, AP, PA, SMV, Lateral Oblique etc should be possible.
18.	Programs & software	Following programs must be available : Panoramic (Adult & Child) Segmented Panoramic Lateral TMJ (4 views) Maxillary Sinus Patient Information System should be built in Software should be provided for total Cephalometry Analysis including soft and hard tissue Preferably choice of wide, normal and narrow arch for OPG exposure. Any Third party dental software available in the market should also be included for above if not available inbuilt. (Give details of the software). Future software up gradation up to 5 years must be made available free of charge to keep the CBCT to its maximum potential
19.	Control Console and Post Processing Station	Quote for Control Panel (with a separate Monitor) for GUI and machine operation, display of Exposure settings Stand Alone System for Post processing functions such as for 3D and multiplanar slices etc for paralleling functioning. The Post Processing Work station will be placed in another room. All software should be loaded on this Processing Station.

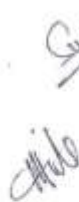




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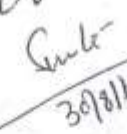
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20.	Accessories required.	Chin Rest (5 nos.), bite block (5 nos.), Head Rest (2 nos.), Curved mirror, Hand grips, Accessory tray, Exposure switch with at least 5 meter long cable (2 nos.). Computer with UPS with Windows 8 or latest. i5 Processor, 2 GB RAM or more, 1 TB Hard Disk
21.	Radiation Protection Features	Mention the radiation protection features of your x-ray system
22.	Dose Measuring System	The system should have a dose measuring system and it should display the dose such as DAP (Dose Area Product).
23.	AMC	Quote servicing rates (AMC) for the post warranty period as applicable.
24.	Training	Provide training at site free of charge for a minimum period of 5 weeks.
25.	Information about X-ray Tube	Give name and address, email and telephone number of the manufacturer of x-ray Tube
26.	Technical Catalogue	Attach your technical catalogue (Original data Sheet) of the Digital system to be offered by you
27.	Installed Base	Enlist how many similar machines are working in Delhi, India and the world
28.	Service back up	How many engineers are trained on this product in Delhi region
29.	Service support from principals: Compliance of this cause is must otherwise the offer is liable to be rejected	<ol style="list-style-type: none"> 1. The quoting firms should produce a letter of authorization from the Principals/manufacturers 2. The Principals must state in the letter of authorization- the dealer's name and address, email, telephone numbers of the dealer. 3. The Principals must state whether they are Manufacturers or only Trading company. 4. The Principals shall undertake to ensure continued service support to the OPG Unit through their dealer all the time, especially when dealer is changed. The final onus of service and other accepted terms and conditions, shall lie with the Principals. 5. The Principals must state that the dealer is authorized to negotiate on their behalf.

30. Machine should be USFDA ~~CE~~ CE certification approved + / European CE approval / TUV

 30/10/14
 N. K. 30/10/14

Item No. 22

LBSH

SPECIFICATIONS OF NEONATAL VENTILATOR

Dedicated Neonatal Ventilators ~~(0-20 kg)~~ upgradeable to ~~H.5.V4~~

1. Essential

- Ventilator
- Air Compressor
- Reusable Circuit with online bacterial filter
- Humidifier
- Stand for Circuit
- Operator manual
- Service manual

2. Type of Ventilator

Continuous flow, pressure limited, time cycled

3. Modes available

CPAP, IMV, SIMV, Assist/ Control, PSV, VG

4. Range of Set parameters:

- Peak Inspiratory pressure = 0-50 cms
- Positive end expiratory pressure = 0-20 cms
- Fraction of Inspired Oxygen = 21-100%
- Inspiratory Time = 0.1 – 2 secs.
- Expiratory Time = 0.2 – 30 secs.
- Rate = 0 – 150 bpm
- Gas Flow = 1 – 30 ltr / minute

5. Display

- Both digital and analog
- All set parameters as mentioned above
- Measured parameters
 - PIP, PEEP, Mean airway pressure
 - FIO2
 - Ventilator rate

Derived parameters

- Te, I:E ratio
- Leak percentage
- Tidal volume - *minimum 2ml*
- Minute ventilation

Pressure and flow waveforms

Alarm Message
Calibration

6. Alarms

- Both Audio and Visual
- Low and High pressure
- Compressor failure
- Failure of sensors
- Tube obstructions
- Power failure

Sevvo
7. Humidifier

Flow resistance up-to 1 cm H2O/L/Sec
Temperature range 31 – 40° C

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Kharokan, Delhi-91.

Temperature control $\pm 2^{\circ}$ C
Digital display of temperature
Water level indicator

Alarms

- o Heater wire on:
Airway Temp. Tracking $\pm 2^{\circ}$ C from set temp
Chamber temp: if chamber temp. varies $\pm 4^{\circ}$ C
From set temp.
- o Heater Wire off:
Airway temp: Fixed at 41° C high and 29.5° C
Low
Chamber Temp: limited to 60° C Max.

Should be compatible with both reusable & disposable chambers and circuits.

8. Power

220 – 240 V, 50 – 60 Hz

~~Uninterrupted power supply for at least 30 mins~~
built battery 30 minutes 9st

9. Spare with each ventilator

- Reusable circuit with Y piece, heater wire, temperature probe & adapter = 5 each
- Bacterial filter = 5 each
- Reusable humidifier chamber = 5 each
- Sensor cable = 5 each
- Oxygen cells = 2 each
- Flow/ Pressure sensor = 20 each

14/2/14
Sanghvi

Warranty period

05 years ^{from date} ~~date of~~ installation

Comprehensive maintenance contract for 05 years after warranty

CMC should include FiO2 blender, humidifier, air compressors, bacterial filter, flow/ pressure sensor and oxygen cells to cover at least 5000 hours of actual ventilation per ventilator per year

14/2/14
Sanghvi

10. Certification

should be U.S. FDA certified and/or European CE

14/2/14
Sanghvi

Naveen Kumar
03/08/2012
Dr. Naveen Garg
IC Neonatal Service
L.B.S. Hospital, Delhi-91

Atch Kumar Aggarwal
3/8/12
PEDIATRICIAN
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AC
L.B.S. HOSPITAL (GNCTD) DELHI

Item No. 23

SPECIFICATION FOR AIRWAY MANAGEMENT SET

1. It should be water proof, fully impressible for cleaning and disinfection. It should have large viewing angle, simultaneous use of suction, O2 with removable suction valve. It should have rigid sheath with marking at 5cm intervals. Unit should be consisting of leakage tester, pressure compensation cap, cleaning brush, mouth piece, suction valve pkt of 20 pcs., tube connector, Biopsy forceps and grasping forceps etc.

**Adult intubating Scope Set
Specification**

Deflection :

Upward: 140 deg

Downward: 140 deg

Direction of view: 0 deg

Angle of view: 110 deg

Working length: 62-68cm

Total length: 90-95 cm

Working channel: mm 2.3

Distal tip: 6-2mm

4.0 - 5.5 mm
200 - 250 cm

Ritu Arora

2. Fiberoptic light cable dia 3.5mm length 230 cm (one no.)

3. TRANSPORTABLE ENDOVISION SYSTEM

transportable endovision system with integrated camera, HI Lux light source 24 watt with 5000 Kelvin temperature and with high resolution 12 inches flat screen monitor foldable. The unit should have facility for storage of more than 300 images through PCMA memory card 64 MB

The unit should have integrated keyboard to enter patient data, image display quality should be atleast 16 bit colour display with 800 x 600 pixel of resolution

Camera head should have zoom facility and control button on camera head. The unit should have integrated image processing module with enhancement and filter function. Unit should be consisting of control unit, BNC cable, PCMA memory card, Y/c cable, adaptor for connecting to video recorder, printer

- The unit should have integrated anti grid and anti moiré filters
- The unit should have high resolution image display with 800 x 600 pixels
- The unit should have still image function and to record still images
- The unit should have composite video input

Compatible Trolley should be covered & shelves should be lockable Indigenous good quality MS steel

Compatible 1KVA C.V.T. of reputed brand should be supplied with the equipment.

USDA/Ad/Dr. Engineer CE

*Ritu Arora
HOD*

*Ritu Arora
HOD*

*Saminder
Specialist*

12/9/14

Item No. 24

Specification for Anaesthesia Monitor

1. Should be suitable for adult, paediatric and neonatal patients monitoring
2. Monitor should be modular in design.
3. Should have minimum 8 channels of waveforms with minimum 18" touch screen display with vertical and horizontal cursors.
4. Battery backup for minimum two hours should be provided as standard (Li-ion battery)
5. Should have automatic graphic and tabular trending of all monitored parameters as standard for atleast 24 hours.
6. Should have minimum ECG (5 lead), NIBP, SpO2 (masimos technology) 1 IBP, Temperature, Anaesthesia gas monitoring (N2O, CO2, MAC) with Anaesthesia Agent, EtCO2 monitoring (side stream based).
7. Should have ST Segment analysis and arrhythmia detection including life threatening arrhythmias such as V.TACH. ASYST, V.FIB as standard features.
8. Should have manual as well as automatic setting of screen format.
9. Should have user selectable parameter priority, colour selection for parameter and alarm limits on screen.
10. Anaesthesia depth monitoring by entropy.
11. It should be US FDA approved /European CE

I. Scope for supply with each monitor:-

- 5 lead ECG cable-2 Nos.
- SpO2 finger sensor with extension cable (adult)-2 Nos.
- SpO2 finger sensor with extension cable (Paeds)-2 Nos.
- SpO2 finger sensor with extension cable (Infant)-2 Nos., (wrap probe)
- Skin Temperature probe-1 Nos. per monitor.
- CORE temperature probe-1 Nos.
- NIBP Hose-2 Nos.
- Adult, Paeds and Infant cuffs—2each.
- Large Adult cuff—2 Nos.
- Optional-IBP reusable cable for 2 IBP and 10 Pcs disposable transducers per monitor.
- Sample lines for EtCO2-50 Nos.
- Instruction for use.
- Entropy sensor set (complete) -25 Nos.

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Singh
 (Dr. Bala Shankar)
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S. Harmit
 Dr. HARMIT SINGH
 M.S. (Ortho.)
 Consultant Orthopaedic Surgeon
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 Karol Bagh, New Delhi, 110005

M. K. Singh
 12/9/14

Item No. 25

Specification for Anaesthesia Workstation

1. Compact and modular, three gas Anaesthesia workstation with an integrated ventilator for adult to infants and integrated airway monitor for airway pressures and volume.
2. The Machine should be suitable for low and minimal flow anaesthesia application with compliance compensation of breathing circuit, fresh gas flow compensation/decoupling.
3. Anaesthesia machine should have minimum 60 min. battery backup.
4. Two numbers of storage drawers.
5. Anaesthesia workstation should be European CE/US FDA certified.
6. Gas Delivery System.
 - Should have pin index yokes, one for oxygen and one for nitrous oxide besides separate connections for central gas supply for oxygen, nitrous oxide and air.
 - The machine should have pressure gauges for cylinders and central supply lines visible from the front of anaesthesia machine. The gas connection should be non-interchangeable.
 - Automatic cut off of N₂O, if Oxygen pressure failure.
 - Hypoxic guard for linear regulation of minimum oxygen concentration at 25% volume and must ensure a minimum oxygen flow of 200ml at low fresh gas flow, settings even below total 500ml fresh gas flow.
 - Audio-visual oxygen supply failure alarm.
 - Emergency O₂ flush at 30-70 LPM, bypassing the vaporizers.
 - Should have O₂ monitoring with paramagnetic technology / galvanic.
 - Should have Auxillary Oxygen Flowmeter.
7. Flow Meter
 - Dual cascade type flow meter tubes for oxygen and N₂O. Range 20ml / minute to 10 LPM. Calibrated in multiple scales. Single tube for air ;100ml to 14 LPM.
8. Vaporizer –
 - Should have latest technology
 - Machine should have facility to mount two quick mount type selectatec vaporiser for easy interchangeability and safety.
 - Should be provided with a temperature / pressure compensated and flow independent vaporizer for Isoflurane and Sevoflourane.
 - Vaporizer should have extended delivery range with standard markings. The Vaporizer design should be life time calibrated.
9. Breathing System
 - Should have semi closed circle absorber system.
 - Should have adjustable pressure relief valve from 5 to 60 mbar.
 - Should have change over from spontaneous to Bag ventilation with single step.
 - Should have an external fresh gas outlet for connecting magill or Bain's circuit.
10. Anaesthesia ventilator.
 - Electronically controlled electrically driven/pneumatically driven ventilator

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Medical Products
Dept. of Health Services
Madurai and District
Road, Madurai, Tamil Nadu

HC Venk

EW

- Should not require changing of bellows for adult and infants.
- Modes: volume controlled, manual/spontaneous, pressure controlled mode, pressure support, SIMV.
- Tidal Volume : 20-1500ml
- PEEP : 0-20m bar
- Breathing Frequency : 4 to 60 BPM
- IE Ratio : 3:1 to 1:3
- Inspiratory Pause : 0-50% of Ti
- Flow : 1 to 60 L/min.
- Pressure limiting (Pmax) : 15-70cm H2O

Should automatically compensate for compliance of breathing system

11. Airway Monitoring

- Integrated monitor (Color display) for electronic monitoring and display of following set and measured values:-

Expiratory Tidal Volume, Expiratory Minute Volume, PEEP, Peak and Mean and Plateau Airway pressure, Frequency, Waveform and loop display for Airway pressure, flow and volume.

12. Alarm limits and alarms

- Adjustable high/low limits with audio and visual alarms for the following:-
- Minute volume, Airway pressure (incl. stenosis and disconnect) Inspired Oxygen concentration, audio power supply failure alarm, Fail to cycle warning, low driving gas pressure, low battery, apnoea alarm.

13. Machine should have RS232 connectivity port.

14. Monitor

- (i) Should be suitable for adult, paediatric and neonatal patients monitoring
- (ii) Should have minimum 8 channels of waveforms with minimum 18" touch screen display with vertical and horizontal cursors.
- (iii) Battery backup for minimum two hours should be provided as standard (Li-ion battery)
- (iv) Should have automatic graphic and tabular trending of all monitored parameters as standard for atleast 24 hours.
- (v) Should have minimum ECG (5 lead), NIBP, SpO2 (masimos technology) 1 IBPs (Optional) Temperature, Anaesthesia gas monitoring (N2O, CO2, MAC) with Anaesthesia Agent, EtCO2 monitoring (side stream based).
- (vi) Should have ST Segment analysis and arrhythmia detection including life threatening arrhythmias such as V.TACH. ASYST, V.FIB as standard features.
- (vii) Should have manual as well as automatic setting of screen format.
- (viii) Should have user selectable parameter priority and colour selection for parameter on screen.
- (ix) Anaesthesia depth monitoring by entropy.
- (x) It should be US FDA approved /European CE

(Handwritten signatures and initials)

15. Scope for supply with each machine:-

- 3 gas anesthesia machine.
- Writing surface.
- Pin Index yokes for O2 and N2O.
- Pipeline connections for all three gases.
- Ventilator and monitor.
- Semiclosed breathing system.
- Adult and Paediatric autoclavable patient tubing (Silicon) - 2 each.
- Vaporizer for Isoflourane and Sevoflourane
- Central gas supply hoses (colour coded).
- 5 lead ECG cable-2 Nos.
- SpO2 finger sensor with extension cable (adult)-2 Nos.
- SpO2 finger sensor with extension cable (Paeds)-2 Nos.
- SpO2 finger sensor with extension cable (Infant)-2 Nos., (wrap probe)
- Skin Temperature probe-1 Nos. per monitor.
- CORE temperature probe-1 Nos.
- NIBP Hose-2 Nos.
- Adult, Paeds and Infant cuffs—2each.
- Large Adult cuff—2 Nos.
- Optional-IBP reusable cable for 2 IBP and 10 Pcs disposable transducers per monitor.
- Sample lines for EtCO2-50 Nos.
- Instruction for use.
- Entropy sensor set (complete) -25 Nos.
- O2 sensors and flow sensors to be provided for 10 years.

Euf
HLL Lifecare Limited
Medical Equipment Division
B-10, Sector 16, Gurgaon
Haryana - 122002

HK Verma

S. Anand

DEPARTMENT OF ANAESTHESIOLOGY
GOVERNMENT GENERAL HOSPITAL
Sector 16, Gurgaon, Haryana - 122002

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) 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.

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.

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 equipment for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer/ Tester for Medical equipment 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 equipment. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipment 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: Supplier should provide adequate training of personnel and supply only non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

Note 4: Training shall be given to the doctors, nurses, operators with proper training material, adequate operating manual & preliminary troubleshooting.

Section – VIII

Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

- 02 Plant and machinery details
- 03 Manufacturing process details
- 04 Monthly (single shift) production capacity of goods quoted for
 - a. normal
 - b. maximum

- 05 Total annual turn-over (value in Rupees)
- 06 Quality control arrangement details
 - a. for incoming materials and bought-out components
 - b. for process control
 - c. for final product evaluation
- 07 Test certificate held
 - a. . type test
 - b. . BIS/ISO certification
 - c. . any other
- 08 Details of staff
 - a. technical
 - b. skilled
 - c. unskilled

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorise their authorized agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, **at least 100% of the quoted quantity** of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. (For equipment which are consumable in nature, as identified in the list of requirement, proof of delivery/acceptance by consignee/purchaser shall also be considered acceptable)
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.**

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 mentioned in the price bid uploaded online, 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
				Price per unit (Rs.)							
Sl. No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Ex - factory/ Ex - warehouse /Ex - showroom /Off - the shelf (a)	Packing and Forwarding charges (b)	Excise Duty (if any) [%age & value] (c)	Sales Tax/ VAT(if any) [%age & value] (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 Price (at Consignee Site) basis (Rs.) 4 x 5(g)

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5					6
Sl. No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)					Total price on CIP Named Port of Destination + Insurance (local transportation and storage) 4X 5 (e)
				FOB price at port/ airport of Lading (a)	Freight & Insurance (port of loading to port of entry) and other Incidental costs (b)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (c)	Extended Insurance (local transportation and storage) from port of entry to the consignee site for a period including 3 months beyond date of delivery** (d)	Unit Price on CIP Named Port of Destination + Extended Insurance (local transportation and storage) (e) = a+b+c+d	

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable
4. Custom duty @ 11.76% 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
Sl. No.	BRIEF DESCRIPTION OF GOODS	Qty. (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 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. 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.
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

Sl. 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 XIX – 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

The Dean/ Director/ Medical Superintendent
(in the name of concerned Institution with its address)

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 Schedule No.	2 BRIEF DESCRIPTION OF GOODS	3 QUANTITY. (Nos.)	4					5 Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					
			1 st	2 nd	3 rd	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 Hospitalauthorised 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) Counter Signed by Director/MS/Dean
of the concerned Hospital/Institute : _____
- 10) 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)

(Counter Signed by Director/MS/Dean of the concerned Hospital/Institute)

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

AFFIDAVIT/UNDERTAKING

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief.I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Date:

(Signature of the bidder)

NAME & ADDRESS OF THE BIDDER

NOTE: To be submitted on non-judicial stamp paper of Rs. 10/- duly certified by Public Notary

SECTION – XX

CHECKLIST

Sl No.	Description
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.	Have you enclosed duly filled Tender Form as per format in Section X?
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?
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?

Sl No.	Description
14.	Have you accepted the warranty and CMC as per TE document?
15.	Have you accepted terms and conditions of TE document?
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?

N.B.

- (i) The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender.
- (ii) It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

Section – XXI**Consignee List**

Consignee Code	Medical Institutions	Contact Address.	AirPort	Sea Port / Dry Port
BJRMH	BabuJagjivan Ram memorial Hospital	The Medical Superintendent, Jahangir Puri, New Delhi 110033 Phone- 27634634, 27636955	New Delhi	Tughlaqabad, New Delhi
AAAGH	ArunaAsaf Ali Govt. Hospital	The Medical Superintendent Rajpur Road, Delhi. 110054 23983618, 23965532, 23922333	New Delhi	Tughlaqabad, New Delhi
LBSH	LalBahadurSha stri Hospital	The Medical Superintendent, KhichriPur New Delhi-110091 Phone – 011-22731394, 22786688	New Delhi	Tughlaqabad, New Delhi
SVBPH	SardarVallabh Bhai Patel Hospital	The Medical Superintendent, East Patel Nagar, New Delhi – 110008	New Delhi	Tughlaqabad, New Delhi
SGMH	Sanjay Gandhi Memorial Hospital	The Medical Superintendent, Mangol Puri, Delhi.-110083 Phone – 011-27913864, 27900333	New Delhi	Tughlaqabad, New Delhi,
MAIDS	Maulana Azad Institute of Dental Sciences	The Director Maulana Azad Institute of Dental Sciences Bahadur Shah Zafar Marg, Mirdard Marg, New Delhi – 110002 Phone - 011 2323 3925	New Delhi	Tughlaqabad, New Delhi
ABGH	Acharya Shree BhikshuGovt. Hospital	The Medical Superintendent, Moti Nagar, New Delhi-110015	New Delhi	Tughlaqabad, New Delhi
DHAS	Dr.HedgewarA rogyaSansthan	The Medical Superintendent, Karkardooma, Delhi-1100032	New Delhi	Tughlaqabad, New Delhi
DCBH	Deep Chand Bandhu Hospital	The Medical Superintendent, Ashok Vihar Phase IV, Opp. Bharat Nagar Police Station, Bunkar Colony New Delhi	New Delhi	Tughlaqabad, New Delhi

RTRMH	Rao Tula Ram Memorial Hospital	The Medical Superintendent, Jaffarpur Village , New Delhi-110073	New Delhi	Tughlaqabad, New Delhi
NHMCH	Nehru Homoeopathic Medical College & Hospital	The Medical Superintendent, 'B'-Block, Defence Colony, New Delhi-110024	New Delhi	Tughlaqabad, New Delhi
AAAGH	ArunaAsaf Ali Government Hospital	The Medical Superintendent, ArunaAsaf Ali Government Hospital 5, Rajpur Road Government of NCT of Delhi Delhi-110054	New Delhi	Tughlaqabad, New Delhi
ASJEGH	Attar Sain Jain Eye & General Hospital	The Medical Superintendent, Britannia Rd, Dr Lohia Industrial Area, New Delhi, DL 110034	New Delhi	Tughlaqabad, New Delhi
MVH	Maharishi Valmiki Hospital	The Medical Superintendent, PoothKhurd, Delhi - 110039	New Delhi	Tughlaqabad, New Delhi
NCJH	Dr. N.C Joshi Hospital	The Medical Superintendent, Joshi Rd, Karol Bagh, New Delhi, DL 110005	New Delhi	Tughlaqabad, New Delhi
DDMSC	Shri Dada Dev MatriAvunShis huChikitsalya	The Medical Superintendent, Govt. of NCT of Delhi,Dabri, New Delhi-110045 Phone : 011-25395536 Fax : 25395540 Email : sddmsc@gmail.com	New Delhi	Tughlaqabad, New Delhi
JPCH	Jag Pravesh Chandra Hospital	The Medical Superintendent, Shastri Park, Delhi 110053		

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