

DOMESTIC TENDER ENQUIRY DOCUMENT

**FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR SIX AIIMS LIKE INSTITUTIONS**

**UNDER PMSSY SCHEME
FOR**

GOVT. OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE

HLL/PCD/PMSSY/AIIMS/06/13-14



BY

HLL LIFECARE LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

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SECTION I

**NOTICE INVITING TENDERS (NIT)
For Domestic Tender from
HLL LIFECARE LIMITED**

(A GOVT. OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

B-14 A, Sector-62, Noida-201 307

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FOR

GOVT OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS/06/13-14

Date: 07.06.2013

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites sealed tenders from eligible and qualified tenderers for Supply, Installation & Commissioning of **Medical Equipment for departments of Anatomy, Biochemistry, Community Medicine & Physiology for six upcoming AIIMS like Institutes at BHOPAL, BHUBHNEHWAR, JODHPUR, PATNA, RAIPUR & RISHIKESH under PMSSY:**

Sl. No	Name of the Item	Department	Total Qty for 6 AIIMS	EMD (Rs.)
1	Embalming Machine	Anatomy	18	18,000
2	Dissection Table - Std	Anatomy	60	30,000
3	Human Skeleton Articulated (Real Bones)	Anatomy	6 Sets	504,000
4	Complete Human Bones set disarticulated (Real Bones)	Anatomy	6 Sets	840,000
5	Liquid Nitrogen Drum with dispenser	Anatomy (36) & Biochemistry (18)	54	54,000
6	Cryostat	Anatomy	6	48,000
7	Inverted Microscope	Anatomy	6	84,000
8	Hand Drill Machine with set of drill bits (Electric)	Anatomy	6	21,600
9	Dissecting Instruments (Student Anatomy Dissecting Kit) (set)	Anatomy	300	600,000
10	Ultra Sonicator	Biochemistry	12	120,000
11	Vertical gel electrophoresis	Biochemistry	24	120,000

Sl. No	Name of the Item	Department	Total Qty for 6 AIIMS	EMD (Rs.)
12	Random Access Medium Throughput Fully Automated Chemistry Analyzer	Biochemistry	18	1,620,000
13	Cell Counter and Sizer	Biochemistry	6	84,000
14	Simple Bench Top Flowcytometer	Biochemistry	6	600,000
15	Peristaltic Pump	Biochemistry	12	48,000
16	Random Access Small Throughput Fully Automated Clinical Chemistry Analyzer	Biochemistry	12	720,000
17	Fraction Collector	Biochemistry	6	96,000
18	Beta counter	Biochemistry	6	144,000
19	Western Blot Apparatus with Compatible Power Pack	Biochemistry	12	60,000
20	Continuous Dichotomous Ambient Particulate Monitor	Community Medicine	12	180,000
21	Continuous Emissions Monitoring System	Community Medicine	12	240,000
22	SO3 Analyzer	Community Medicine	12	180,000
23	CO Analyzer	Community Medicine	12	90,000
24	Enhanced Trace Level SO2 Analyzer	Community Medicine	12	180,000
25	Dosimeter	Community Medicine	12	60,000
26	Dissecting Microscope - Table Top Model	Community Medicine	300	1,500,000
27	Fully Automated Clinical Chemistry Analyser – Low Throughput	Community Medicine	6	240,000
28	Fat Extraction Apparatus	Community Medicine	6	240,000
29	Otorhinolaryngoscope	Community Medicine	30	240,000
30	Horrocks Apparatus	Community Medicine	60	30,000
31	Chlorinometer/ Chloroscope	Community Medicine	60	30,000
32	Anemometer	Community Medicine	60	42,000
33	Sound Level Meter	Community Medicine	60	24,000
34	Ph Meter	Community Medicine	60	36,000

Sl. No	Name of the Item	Department	Total Qty for 6 AIIMS	EMD (Rs.)
35	Aspirators/ Suction Tubes	Community Medicine	60	30,000
36	ECG Machine (12 channel)	Community Medicine	18	25,200
37	Retinoscope	Community Medicine	30	15,000
38	Fetoscope	Community Medicine	60	30,000
39	Priestly Smith Perimeter	Physiology	120	48,000
40	Electronic Von Frey Aesthesiometer	Physiology	6	18,000
41	Stimulator, Isolator & Recorder system	Physiology	6	120,000
42	Lagendroff's Apparatus	Physiology	24	36,000
43	Kymograph	Physiology	120	360,000
44	Antropometric set - Digital	Physiology	6	42,000
45	Antropometric set - Manual	Physiology	6	24,000
46	Surgical instruments for operative procedures	Physiology	30	45,000
47	Hemoglobinometer	Physiology	300	150,000
48	Mosso's Ergograph	Physiology	72	12,960
49	Deep Freezer (-80 deg)	Anatomy	12	120,000
50	Vertical Deep Freezer (-80 deg)	Biochemistry	12	120,000
51	Elisa Reader with washer & shaker	Biochemistry	12	156,000
52	Incubator	Anatomy	12	24,000
53	Incubator	Biochemistry	24	48,000
54	Deep Freezer (-20 deg)	Anatomy	12	12,000
55	Vertical Deep Freezer (-20 deg)	Biochemistry	24	24,000
56	Lab refrigerator	Anatomy (6), Biochemistry (48) & Physiology (6)	60	60,000
57	Electrolyte Analyser	Biochemistry	12	43,200

Sl. No	Name of the Item	Department	Total Qty for 6 AIIMS	EMD (Rs.)
58	Ultra Centrifuge	Biochemistry	6	300,000
59	Lyophilizer	Biochemistry	6	36,000
60	Ultrasound Machine	Community Medicine	6	180,000

(2) Tender No.: HLL/PCD/PMSSY/AIIMS/06/13-14

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	07.06.2013 to 09.07.2013 (10:00 hrs to 16:00 hrs IST)
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201 307
iii.	Cost of the Tender Enquiry Document	Rs. 5000/-
iv.	Pre Tender Meeting Date & Time	17.06.2013, 11:00 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	10.07.2013, 14:00 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	10.07.2013, 14:30 hrs IST
viii.	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs 5000/- per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of "**HLL Lifecare Limited**" payable at New Delhi.
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100/- for domestic post. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
5. Tenderer may also download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above.

7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
9. The Tender Enquiry Documents are not transferable.

**Head (P&CD)
HLL Lifecare Limited,
Procurement and Consultancy Division
B-14 A, Sector-62, Noida-201 307
Uttar Pradesh**

SECTION - II**GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers
- (v) "GCC" means General Conditions of Contract
- (vi) "SCC" means Special Conditions of Contract
- (vii) "DGS&D" means Directorate General of Supplies and Disposals
- (viii) "NSIC" means National Small Industries Corporation
- (ix) "PSU" means Public Sector Undertaking

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

2. Introduction

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

3. Availability of Funds

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

4. Language of Tender

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII– Proforma of Consignee Receipt Certificate
- Section XVIII– Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)

Section XX – Check List for the Tenderers

Section XXI – Consignee List

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

9. Amendments to TE documents

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

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

- ix) Certificate of Incorporation in the country of origin.
- x) Checklist as per Section XX.

B) Price Tender:

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

N.B.

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

11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender. Individuals signing the tender or other documents connected with a contract must specify whether he signs as:

- (i) A 'Sole Proprietor' of the firm or constituted attorney of such Sole Proprietor.
- (ii) A partner of the firm ,if it be a partnership , in which case he must have authority to quote & to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney;
- (iii) Constituted attorney of the firm if it is a company.

N.B.

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

11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.

11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

12.1 **The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.**

12.2 Deleted

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 Deleted.

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 Deleted

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 Deleted

13.6 Deleted.

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

13.8 Deleted

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

14. Indian Agent

14.1 Deleted

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 (**as per the provisions of the qualification requirement**), 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 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi shall be eligible for exemption from EMD. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
 - ii) Banker's cheque and
 - iii) Bank Guarantee

- 19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HLL Lifecare Limited" payable at New Delhi. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.
- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 **Deleted.**

20. Tender Validity

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

21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit three copies of its tender marking them as "Original", "Duplicate" and "Triplicate". Duplicate & Triplicate tenders may contain all pages including Technical Literature/Catalogues as per in Original tenders.
- 21.3 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting,

except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

- 21.5 The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as “Original”, “Duplicate”, ”Triplicate” and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence “NOT TO BE OPENED” before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **‘Techno - Commercial Tender’**, and the second part **‘Price Tender’** as specified in clause 11 of GIT. Tenderer shall seal **‘Techno - Commercial Tender’** and **‘Price Tender’** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

- 22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. In case of bulky tender, which can not be put into tender box, the same shall be submitted by the tenderer by hand to **Head (P&CD)** or his nominee, **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.
- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence
- 27.3 Deleted
- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be rejected.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non – responsive during the evaluation and will be ignored;
- (i) Deleted
 - (ii) Tender is unsigned.
 - (iii) Tender validity is shorter than the required period.
 - (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
 - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.

- (vi) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – “Special Conditions of Contract”, for due performance of the contract. .
- (vii) Deleted
- (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
- (ix) Poor/ unsatisfactory past performance.
- (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
- (xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmary/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

- 29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.
- 29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

- 32.1 Deleted

33. Schedule-wise Evaluation

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

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation. **Net Present value (NPV) of the comprehensive annual maintenance charges (CMC) quoted for 5 years after the warranty period shall be added to the bid price for evaluation and will be calculated 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	26
B	8 to 10	TE documents	No Change	26
C	11 to 21	Preparation of Tenders	No Change	26
D	22 to 24	Submission of Tenders	No Change	26
E	25	Tender Opening	No Change	26
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	26
G	38 to 45	Award of Contract	No Change	26

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

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

- A Preamble**
No Change
- B TE documents**
No Change
- C Preparation of Tenders**
No Change
- D Submission of Tenders**
No Change
- E Tender Opening**
No Change
- F Scrutiny and Evaluation of Tenders**
No Change
- G Award of Contract**
No Change

SECTION - IV**GENERAL CONDITIONS OF CONTRACT (GCC)
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1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

3.1 The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trade marks 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 thirty (30) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 30 months from the date of Notification of Award

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

- a) 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 twenty-one (21) 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 Deleted

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 Deleted

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) Deleted

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will be got 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) Deleted

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:

90% 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 10% 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.

B) Payment for Imported Goods: Deleted

C) Payment of Turnkey, if any:

Turnkey payment will be made as indicated in the relevant Price Schedule

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

22. Delay in the supplier’s performance

22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.

22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

- (i) imposition of liquidated damages,
- (ii) forfeiture of its performance security and
- (iii) termination of the contract for default.

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier’s communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier’s contractual obligations by issuing an amendment to the contract.

22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.

(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.

(c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same

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

22.6 Passing of Property:

- 22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.
- 22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.
- 22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

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

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

24. Termination for default

- 24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.
- 24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.
- 24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

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

26. Force Majeure

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

27. Termination for convenience

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

28. Governing language

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

29. Notices

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

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

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

30. Resolution of disputes

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

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

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

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

31. Applicable Law

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

32. Withholding and Lien in respect of sums claimed

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

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

33. General/ Miscellaneous Clauses

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

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

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

- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION – VI

LIST OF REQUIREMENTS

Part I

Sl. No	Name of the Item	Department	Qty/ AIIMS	Total Qty for 6 AIIMS	Warranty Required	CMC Required	Items identified as consumable in nature [Ref: Section-IX - 2 (a)]
1	Embalming Machine	Anatomy	3	18	Yes	No	Yes
2	Dissection Table - Std	Anatomy	10	60	Yes	No	Yes
3	Human Skeleton Articulated (Real Bones)	Anatomy	1set	6 sets	Yes	No	Yes
4	Complete Human Bones set disarticulated (Real Bones)	Anatomy	1 set	6 sets	Yes	No	Yes
5	Liquid Nitrogen Drum with dispenser	Anatomy (36) & Biochemistry (18)	9	54	Yes	No	Yes
6	Cryostat	Anatomy	1	6	Yes	Yes	
7	Inverted Microscope	Anatomy	1	6	Yes	Yes	
8	Hand Drill Machine with set of drill bits (Electric)	Anatomy	1	6	Yes	No	Yes
9	Dissecting Instruments (Student Anatomy Dissecting Kit) (set)	Anatomy	50	300	Yes	No	Yes
10	Ultra Sonicator	Biochemistry	2	12	Yes	No	Yes
11	Vertical gel electrophoresis	Biochemistry	4	24	Yes	Yes	
12	Random Access Medium Throughput Fully Automated Chemistry Analyzer	Biochemistry	3	18	Yes	Yes	
13	Cell Counter and Sizer	Biochemistry	1	6	Yes	Yes	
14	Simple Bench Top Flowcytometer	Biochemistry	1	6	Yes	Yes	
15	Peristaltic Pump	Biochemistry	2	12	Yes	No	Yes
16	Random Access Small Throughput Fully Automated Clinical Chemistry Analyzer	Biochemistry	2	12	Yes	Yes	

Sl. No	Name of the Item	Department	Qty/ AIIMS	Total Qty for 6 AIIMS	Warranty Required	CMC Required	Items identified as consumable in nature [Ref: Section-IX - 2 (a)]
17	Fraction Collector	Biochemistry	1	6	Yes	Yes	
18	Beta counter	Biochemistry	1	6	Yes	Yes	
19	Western Blot Apparatus with Compatible Power Pack	Biochemistry	2	12	Yes	Yes	
20	Continuous Dichotomous Ambient Particulate Monitor	Community Medicine	2	12	Yes	Yes	
21	Continuous Emissions Monitoring System	Community Medicine	2	12	Yes	Yes	
22	SO3 Analyzer	Community Medicine	2	12	Yes	Yes	
23	CO Analyzer	Community Medicine	2	12	Yes	Yes	
24	Enhanced Trace Level SO2 Analyzer	Community Medicine	2	12	Yes	Yes	
25	Dosimeter	Community Medicine	2	12	Yes	No	Yes
26	Dissecting Microscope - Table Top Model	Community Medicine	50	300	Yes	Yes	
27	Fully Automated Clinical Chemistry Analyser – Low Throughput	Community Medicine	1	6	Yes	Yes	
28	Fat Extraction Apparatus	Community Medicine	1	6	Yes	Yes	
29	Otorhinolaryngoscope	Community Medicine	5	30	Yes	Yes	
30	Horrocks Apparatus	Community Medicine	10	60	Yes	No	Yes
31	Chlorinometer/ Chloroscope	Community Medicine	10	60	Yes	No	Yes
32	Anemometer	Community Medicine	10	60	Yes	No	Yes
33	Sound Level Meter	Community Medicine	10	60	Yes	No	Yes
34	Ph Meter	Community Medicine	10	60	Yes	No	Yes
35	Aspirators/ Suction Tubes	Community Medicine	10	60	Yes	No	Yes
36	ECG Machine (12 channel)	Community Medicine	3	18	Yes	Yes	
37	Retinoscope	Community Medicine	5	30	Yes	No	Yes

Sl. No	Name of the Item	Department	Qty/ AIIMS	Total Qty for 6 AIIMS	Warranty Required	CMC Required	Items identified as consumable in nature [Ref: Section-IX - 2 (a)]
38	Fetoscope	Community Medicine	10	60	Yes	No	Yes
39	Priestly Smith Perimeter	Physiology	20	120	Yes	No	Yes
40	Electronic Von Frey Aesthesiometer	Physiology	1	6	Yes	Yes	Yes
41	Stimulator, Isolator & Recorder system	Physiology	1	6	Yes	Yes	
42	Legendroff's Apparatus	Physiology	4	24	Yes	Yes	
43	Kymograph	Physiology	20	120	Yes	Yes	
44	Antropometric set - Digital	Physiology	1	6	Yes	No	Yes
45	Antropometric set - Manual	Physiology	1	6	Yes	No	Yes
46	Surgical instruments for operative procedures	Physiology	5	30	Yes	No	Yes
47	Hemoglobinometer	Physiology	50	300	Yes	No	Yes
48	Mosso's Ergograph	Physiology	12	72	Yes	No	Yes
49	Deep Freezer (-80 deg)	Anatomy	2	12	Yes	Yes	
50	Vertical Deep Freezer (-80 deg)	Biochemistry	2	12	Yes	Yes	
51	Elisa Reader with washer & shaker	Biochemistry	2	12	Yes	Yes	
52	Incubator	Anatomy	2	12	Yes	Yes	
53	Incubator	Biochemistry	4	24	Yes	Yes	
54	Deep Freezer (-20 deg)	Anatomy	2	12	Yes	Yes	
55	Vertical Deep Freezer (-20 deg)	Biochemistry	4	24	Yes	Yes	
56	Lab refrigerator	Anatomy (6), Biochemistry (48) & Physiology (6)	10	60	Yes	No	
57	Electrolyte Analyser	Biochemistry	2	12	Yes	Yes	
58	Ultra Centrifuge	Biochemistry	1	6	Yes	Yes	
59	Lyophilizer	Biochemistry	1	6	Yes	Yes	
60	Ultrasound Machine	Community Medicine	1	6	Yes	Yes	

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.

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 24 months from the date of installation, commissioning and acceptance or 30 months from the date of last shipment/ despatch, 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.

Destination/Consignee details are given in Section XXI

Section – VII

Technical Specifications

Item No. 1

Embalming Machine

Technical Specifications for Embalming Machine:

1. Fluid delivery rate should be 10 ltrs/hr.
2. Inner tank to store embalming fluid with capacity 15- 20 ltrs. Should be of stainless steel.
3. Pump: pump should be of electromagnetic/ diaphragm dosing pump with capacity 0-5 ltrs Per hour and pressure 3 kg/cm square.
4. The equipment should be mounted on castors for easy movement and the hand grip should be provided for lifting.
5. I.V. stand fixed for mounting cannula tubing and mains cable.
6. Indicator for mains on & in use should be present.
7. The outer body should be of complete stainless steel.
8. Power supply: 220 V AC with trip facility.

Item No. 2

DISSECTION TABLE - STANDARD

1 Technical Specification

- 1.1 Approximate Dimension:-1820 X 600 X 900 (L x W x H)
- 1.2 It should be made of stainless steel (steel grade 304) with a frame made of rugged torsion-resistant stainless steel profiles.
- 1.3 It should have 4 solid rubber swivel locking castors
- 1.4 Table top depth should be of approx. 15mm sloping towards the drain.
- 1.5 10 litre removable container with bayonet lock, mounted beneath the down spout, should be attached to a rack in the base frame.
- 1.6 Airtight compartment should be mounted beneath the table top to serve as an odour-free storage of drapes. Size: 2 ft (Length) x 1.5ft (Width) x 9" (Depth)
- 1.7 It should have stainless steel full extension drawer and a removable stainless steel tray provided with a perforated plate and a removable lid. Size: 2 ft (Length) x 1.5ft (Width) x 9" (Depth)

2. System Configuration Accessories, spares and consumables

- 2.1 Stainless Steel Bucket 50 Ltrs
- 2.2 Headrest
- 2.3 Body support shim.
- 2.4 Foot rest.
- 2.5 Foldable, extendable arm rests.
- 2.6 Facility to fix stands & stands for lithotomy strapping.

Item No. 3

HUMAN SKELETON ARTICULATED (REAL BONES) (SET)

1 Description of Function

1.1 Mounted skeleton, one with the various parts connected in such a way as to demonstrate normal relationships and allow motion between components as in the living body.

2 Technical Specifications

2.1 The articulated skeleton should be ideal for teaching the basics of human anatomy.

- i. Adult Male & Female - 10 set each
- ii. Old age Male & Female - 1 set each
- iii. Adolescent Male & Female - 1 set each
- iv. Child Male & Female - 1 set each
- v. Paediatric Male & Female - 1 set each

2.2 It should be real skeleton of a life size human skeleton and should show all skeleton part in high details

2.3 All of the joints, sutures, fissure, foramina and processes should be portrayed with at most accuracy/ intact.

2.4 Should be supplied with caster roller stand per skeleton.

2.5. It should be neat and clean.

2.6 Should submit license for sale of human bones.

Item No. 4

COMPLETE HUMAN BONES SET DIS ARTICULATED (REAL BONES)

1. Real skeleton of life size human bone and should show all skeleton part in high details
2. The disarticulated adult bone set should be ideal for teaching the basics of human anatomy
3. It should be neat and clean glazed.
4. Should contain pediatric, neonate and old age bones of male & female – 5 set each.
5. Should contain adult disarticulated bones (male and female) – 30 each.
6. Should submit license for sale of human bones.

Item No. 5

Liquid Nitrogen Drum with dispenser

1. The vessel should be lightweight, ideal for laboratory and medical applications. Standard dimensions & shape for ease of handling pouring and use within laboratory.
2. Should be compatible with transport/ pouring trolley, tipping stand & roller base.
3. Should have a capacity of 30-35 Litres.
4. Static Hold Time (days): 120 (minimum)
5. Evaporation Rate: 0.2 L/day (or) approx. Neck Tube: 50 mm dia
6. Should be supplied with dispenser.
7. Liquid Withdrawal device should be available.
8. Accessories, spares and consumables as required for running the system
9. Should be CE or FDA or BIS approved product.

Item No. 6

CRYOSTAT

1. Description of Function

Cryostat is used for cutting thin to semi-thin sections of fresh frozen tissue

1. Radial Cutting facility

a) Knife: 3 1/4" (8cm)

b) Section Thickness: 5 microns and up Calibrated 5-40 microns

2. Freezer for Microtome

a) Temperature Range: -40°C to +100°C

b) Resolution: 1/2 amp (curr. readout) 0.1°C, digital display

c) Heat Removal: 1/2 liter/min. Tap water or circulating pump & tank unit

d) Accessories: Thermocouple microprobe

Automatic protection against overheating in case of water supply failure

Controller can be used as an independent digital thermometer and needle microprobe should be provided for this purpose.

2. Power Supply

Power input to be 220-240VAC, 50Hz

Should be supplied with suitable UPS with 2 hour back up.

3 Standards, Safety and Training

CE/ BIS approved product.

Item No. 7

INVERTED MICROSCOPE

1. Stand – Inverted Microscope for transmitted light in stage with 3 position stage support (changeable by 180° turn). Infinity optics with tube factor 1x. Port for exchangeable and rotate observation and phototubes with 20mm field of view. Transmitted light illumination 100W halogen / Light emitting diode (LED) Automatic adjustment of illumination to the contrast method. Auto off function: LED with service of 50,000 hours.
2. Phase contrast – For all magnification levels without any installation or adjustment.
3. Object Guide- Object guide can be easily adapted to the left or right of any of the fixed work stages (also heating stages).
4. Object Holder – Suitable for fixed stages with object guide of inverted microscope.
5. Observation tube – Trinocular Phototube with 45° viewing angle, and vertical camera port with selectable light path [100% photo or 100% visual]. The port is positioned 88mm to the left side and allows an unobstructed view of specimen at all times.
6. EYEPIECE HC PLAN 10X / 20 BR. / M
7. Condenser with long free working distance of 40 mm and a numerical aperture of 0.45 Esp. for high magnification or thick specimen. For BF, PH and integrated Modulation contrast.
8. Phase Contrast lighting set PH0, PH1, PH2 for Condenser.
9. Obj. HI PLAN 4x/0.10
10. Objective HI PLAN 10x/0.25
11. Objective HI PLAN L20x/0.40
12. Objective HI PLAN L 40x/0.50
13. Dust cover for stand without camera attachment.
14. Microscope should have facility to upgrade to Fluorescence
15. Digital Camera Kit
16. High speed colour digital camera for on screen microscope image display.
17. Max scaled Resolution 3072 x 2304

18. Various image size from small to very large 7 M Pixel or Larger.
19. Colour depth 30 BIT
20. Live preview with 25 images per second
21. Supported licensed operating system PC win 2000, XP or suitable
22. Software- Should have Image analysis software for automatic calibration.
23. Hardware-Latest PC with Card 3.0 GHz, 500GB
24. Power supply and main leads.
25. Training /Demonstration/troubleshooting helpline to be done for 2 faculty members at each site.
26. Should be CE or FDA or BIS approved product

Item No. 8

Electric Hand drill machine with set of bits

Technical Specifications:

1. The table top drill mounted on stand should have spring loaded lever of high quality.
2. Should have variable speed operation, high speed drill.
3. The single phase ac motor should have approx 700 W.
4. It should be compact with overall length (320mm Approx.) and weight (Approx. 2 Kg)
5. Aluminum die-casting inner cover and gear cover should be used for increased durability.
6. Should be easy-to operate with a 2-finger sized trigger switch and a speed control dial
7. It should have a reliable and convenient push button type forward/reverse changeover switch.
8. Should have 2-speed transmission.
9. Shortest chuck offset (23.5mm (15/16"))
10. It should have soft grip handle for comfortable operation
11. It should have low operation noise 80dB
12. To be provided with high speed tungsten carbide bits of 1/2", 3/8", 1/4", 3/16", 1/8" or equivalent mm size.

Item No. 9

Dissecting instruments (Student Anatomy Dissecting Kit) (set)

1 Technical Specifications

1.1 Student Anatomy Dissecting Kit

1.2 Should contain most widely used instruments of high quality stainless steel.

2 Dissection Kit contents:

- 2.1 · Cartilage knife 2" blade
- 2.2 · Scalpel with screw lock blade
- 2.3 · Narrow blade scalpel 1.5" blade
- 2.4 · Forceps 4.5" with guide pin, medium points
- 2.5 · Forceps 4.5" with guide pin curved, fine points
- 2.6 · Dissecting scissors, Iris 4.5"
- 2.7 · Probe and hook chrome
- 2.8 · Dissecting scissors with one point sharp & one point blunt 5.5"
- 2.9 · Teasing needle straight
- 2.10 · Teasing needle bent
- 2.11 · Ruler 6" plastic
- 2.12 · Dissecting chain and hook chrome
- 2.13 · Dissecting blow pipe 6"
- 2.14 · Double fold vinyl case.

Item No. 10

ULTRA SONICATOR

1. Ultra sonicator should work on an operating frequency of 20-25 KHz
2. Should have a digital LCD display to display measured parameters
3. Maximum power output of the equipment should be 100 watts (Maximum)
4. Power supply 220 – 240V, 50 Hz
5. Dimensions of the equipment should be compact (Approx 8”X13”)
6. Probes and accessories -
 - a. Processing volume -0.2-5 ml , 0.5-15 ml and 2-25 ml
 - b. Tip diameter - 1.6 mm, 3.2 mm, and 4.8 mm
 - c. Intensity - High
 - d. Amplitude (microns) -320 μm , 240 μm , and 150 μm
 - e. Power supply - 1 KV
 - f. Accessory: Cover for the equipment
7. Should be CE or BIS approved product.

Item No. 11

VERTICAL GEL ELECTROPHORESIS

Twin-plate mini gel unit with tank cooling device, built-in cooling coil and quick-fit tubing, lid, 2 sets each of plain and notched glass plates, spacers, spacer aligners, dummy plate and combs

A. TECHNICAL SPECIFICATION

1. Unit Dimensions (W x D x H) should be approximately: 28 x 15 x 18cm
2. Plate Dimensions (W x H x T) should be approximately: 10 x 10 x 0.2cm
3. Spacer thickness should be approximately : 0.1cm
4. Running Conditions for Denaturing/Native PAGE Gel
5. Voltage : 100 - 150V
6. Current : 10 - 15mA

B. Power pack

Technical specifications:

1. Type of Output: Constant Voltage/ Constant Current
2. Output Voltage (V): 0 - 500 V
3. Output Current (mA): 0 - 500 mA
4. Maximum Power (W): At least 250 W
5. Number of Output: atleast 4
6. Voltage Setting Resolution: 1V
7. Current Setting Resolution: 1mA
8. Display for Voltage: at least 3 Digit
9. Display for Current: at least 3 Digit
10. Timer: 1min to 999 min
11. Input Supply: 230 V AC \pm 10%
12. Max Operating Temperature: ambient to 45°C
13. Should be FDA or CE or BIS approved product.

Item No. 12**RANDOM ACCESS MEDIUM THROUGHPUT FULLY AUTOMATED CLINICAL CHEMISTRY ANALYSER (FLOOR MODEL)**

1. SYSTEM: Floor model, Completely Open, Discreet, Multi-channel, Random Access, With automatic rerun, automatic reflex testing and capable of performing tests like Enzymes, substrates, Serum Proteins, Electrolytes, TDM assays and Immuno-turbidimetric etc.
2. THROUGH PUT: About 800 Photometric tests/Hour and about 1200 Tests /Hour with ISE.
3. ASSAY MODES: End point, Rate, fixed point and ISE.
4. Analytical Methods: Colorimetry, turbidometry, latex agglutination, homogeneous EIA, ISE.
5. SAMPLE LOADING: Minimum of 80 sample positions with continuous Loading. Bar code reading
6. Facility for positive sample identification, real time test requisition downloading from host should be possible.
7. Cooled compartment for Standards and Controls.
8. SAMPLE CUPS: Primary and secondary tubes and paediatric cups
9. SAMPLE TYPES: Plasma, Urine, Serum, CSF etc..
10. STAT FACILITY: Facility for continuous loading of stat samples without interrupting the routine run for very urgent samples.
11. SAMPLE VOLUME: 2.0-30 micro litres in 1.0 micro litre increment.
12. SAMPLE PROBE: Probe liquid level sensor .Sample clot detection and crash prevention facility should be available.
13. REAGENT DISK: Refrigerated reagent disk with 40 reagent positions in case of single reagents for disposable cuvettes or Two Refrigerated reagent disks with 50 positions for R1 and 40 positions for R2 in case of semi disposable or permanent cuvettes.
14. ON-BOARD PARAMETERS TESTS: Minimum 40 photometric tests + 3 ISE (Na, K, Cl).
15. REACTION VOLUME: Should be from 150 ul to 300 ul
16. REAGENT PROBE: One/Two reagent Probes liquid level sensors and washing facility. Probe crash detection should be available.
17. STIRRER: 2 or more on board variable speed stirrers should be available
18. CUVETTES: may be reusable, permanent or Disposable, specify recurring cost if any
19. CUVETTE WASHING: Automatic on-board washing.
20. PHOTOMETER: Wavelength ranging from 300 - 800 nm.
21. LAMP SOURCE: Halogen / Xenon Lamp/ tungsten
22. QUALITY CONTROL: Real Time, Individual and cumulative quality control. Automatic QC Programming required.
23. Water Plant: Compatible RO/ water purification plant to be supplied of supplying min 40 litres/hr
24. SOFTWARE: Window XP or compatible.
25. DATA STORAGE: 75,000 patient samples.
26. INTER FACE: Unidirectional and Bidirectional communication possible.
27. REAGENTS: Manufacturing Company if have their own system reagents, controls and calibrators and the price list for the same should be enclosed with the price bid
28. Accessories, reagents calibrator and control: company shall provide a list of accessories reagents calibrator and control to be use for running the instrument.
29. The equipment to be supplied should have FDA / CE certification.

Item No. 13

CELL COUNTER AND SIZER

Versatile Dual cell and Particle counter

1. Mercury free.
2. Should not be hand held.
3. Absolute cell counts or concentration.
4. The system should be perfect for quick and accurate counting and sizing of particles as various as Blood cells (RBC, WBC, platelets), and tissue culture cells, spermatozoa, suspensions, etc.
5. Fully automated, easy to calibrate, simple to use by means of a user friendly remote pad including few, but clear, keys and data LCD display.
6. The lower & upper thresholds should be easily set in size or volume units and the results given in absolute count above the set upper and lower threshold, or between the two thresholds.
7. In addition to counting, the size distribution should be given in 64, 128 or 256 channels. Absolute count can be edited for each single channel or cumulated between cursors.
8. Software should include size distribution statistics, data archiving, size trend analysis, result overlays, average graph and table, cell type.
9. Automatic run and average of up to 10 replicates.
10. Analysis parameters should be either automatically set or operator selectable size settings.
11. Store upto 5 analyses settings.
12. Measurement range ≤ 1 to ≥ 120 micron overall range and ≤ 1 to ≥ 60 microns for ampoule insertable aperture tubes.
13. Aperture Tube – std 5 sizes between 50 – 200 microns each separated by at least 20 microns.
14. Ampoule insertable 50, 70, 100 microns.
15. Individual aperture working size range ≤ 2 to $\geq 60\%$ of aperture diameter.
16. Metered volumes 100, 500, 1000 μ l at least should be available.
17. HP laser colour Jet Printer with cable, computer flat screen, compatible software, Pentium PC, CPU, keyboard.
18. Colour and refractive index should not affect results.
19. Should be FDA or CE or BIS approved product.

Item No. 14

Simple Bench Top Flow Cytometer

1. Bench top , pre-aligned flow cytometer
2. System should be equipped with solid state blue & Red lasers, two scatter detectors & four fluorescence detectors optimized for detection of fluorochromes FITC (495/520)/ GFP (488/509), PE (496/578)/ PI (536/617), PreCP-Cy 5.5 (482/695), PE- Cy7(496/667) and APC (650/660)
3. Fixed alignment, pre-optimized detector settings
4. Data acquisition should be at least 10000 event/second
5. Compensation setting before, during and after data collection.
6. System should have sampler to fit in at least 20 tubes, 48& 96 microtiter plates
7. System should be supported by appropriate software for acquisition & analysis of data
8. System should have high resolution with 5-7 decade
9. Touch screen computer with at least 23” monitor with color printer to run and analyze the data(4core processor, 1TB HDD, 16 GB RAM).
10. Compatible UPS with at least 1 hour back up should be supplied.
11. Should be FDA or CE or BIS approved product.
12. List of users and track record of installation of similar equipment should be provided.

Item No. 15

PERISTALTIC PUMP

1. 4 channels
2. Choice of 6 rollers
3. 0.001– 68 ml/min (per channel)
4. Microprocessor controlled
5. Motor type: DC motor
6. 4 channel 1.0-100rpm
7. Speed rate setting : resolution 0.1 rpm
8. Flow rate setting : µl/min or ml/min
9. 6 – button membrane key pad
10. LED display
11. Flow rate setting µl/min and ml/min 4-channel 0.073, 0.15, 0.33, 0.43
12. Power consumption: 20W
13. Protection rating: IP 30
14. Dimension: 190X100X135mm

Item No. 16

RANDOM ACCESS SMALL THROUGHPUT FULLY AUTOMATED CLINICAL CHEMISTRY ANALYSER

1. SYSTEM: Floor/Bench top Model, Completely Open, Discreet, Multi-channel, Random Access, With automatic rerun, automatic reflex testing and capable of performing tests like Enzymes, substrates, Serum Proteins, Electrolytes, TDM assays and Immunoturbidimetric etc.
2. THROUGH PUT: About 400 Photometric tests/Hour and about 600 Tests /Hour with ISE.
3. ASSAY MODES: End point, Rate, fixed point and ISE.
4. Analytical Methods: Colorimetry, turbidometry, latex agglutination, homogeneous, ISE.
5. SAMPLE LOADING: Minimum of 50 sample positions with continuous Loading .Bar code reading facility for positive sample identification, real time test requisition downloading from host should be possible.
6. Cooled compartment for Standards and Controls.
7. SAMPLE CUPS: Primary and secondary tubes and paediatric cups.
8. SAMPLE TYPES: Plasma, Urine, Serum,CSF etc.
9. STAT FACILITY: Facility for continuous loading of stat samples without interrupting the routine run. Minimum 20 STAT sample positions for very urgent samples.
10. SAMPLE VOLUME: 2 to 30 micro litres in 1.0 micro litre increment
11. SAMPLE PROBE: Probe should have liquid level sensor .Sample clot detection and crash prevention facility should be available.
12. REAGENT DISK: Refrigerated reagent disk with minimum 50 positions.
13. ON-BOARD PARAMETERS TESTS: Minimum 50 on-board parameters tests.
14. REACTION VOLUME: Should be from 150 ul to 300ul.
15. REAGENT PROBE: Probe with liquid level sensors and washing facility. Probe crash detection should be available.
16. STIRRER: 2 or more on board variable speed stirrers should be available
17. CUVETTES: Must have permanent hard glass. It should have the facility to change individual cuvettes.
18. CUVETTE WASHING: Automatic on-board washing.
19. PHOTOMETER: Wavelength ranging from 340 - 750 nm
20. LAMP SOURCE: Halogen / Xenon Lamp.

21. **QUALITY CONTROL:** Real Time, Individual and cumulative quality control. Automatic QC programming required.
22. **Water Plant:** Compatible RO/water purification plant to be supplied.
23. **SOFTWARE:** Window based software or Compatible.
24. **DATA STORAGE:** 50000 patient samples.
25. **INTER FACE:** Unidirectional and Bidirectional communication possible.
26. **REAGENTS:** Manufacturing Company if have their own system reagents, controls and calibrators and the price list for the same should be enclosed with the price bid
27. **Accessories, reagents calibrator and control:** company shall provide a list of accessories reagents calibrator and control to be used for running the instrument.
28. The equipment to be supplied should have FDA and CE certification.

Item No. 17

FRACTION COLLECTOR

1. Standard Fraction collection vials(5,20 and 50ml). The rack should hold atleast 50 vials at a time.
2. It should have easy gradient programming in either time or volume mode
3. Small chromatography columns or gravity columns which can be mounted directly to the drop forming arm to minimize dead valume.
4. It should have flow rate of 0.02-40 ml/min per channel (upto 20ml/min per channel and 2 channel per pump).
5. Must be accompanied with system controller/UV detector that provide fraction parameters graphically on monitor.
6. Must be accompanied with printer or chart recorder for results output.
7. Must be accompanied with gradient stand alone peristaltic, 2 channel bidirectional pump capable of isocratic and gradient elution application suited for any low pressure protein purification system.
8. Material of construction for pump should be polypropylene and other solvent resistant plastics(PEEK)
9. The gradient pump should work seamlessly with other peripherals such as fraction collector, UV monitor and gradient monitor.
10. System should be supplied with a compatible computer, software and printer of latest configuration.

Item No. 18

BETA COUNTER / AUTOMATED PLATE READING LIQUID SCINTILLATION COUNTER

1. Automated plate reading LSC, which can count up to 4 ml vials in a single instrument.
2. Should count from the top of the plate, from the bottom of the plate, or from both top and bottom in coincidence for giving great versatility allowing gamma, beta, and luminescent counting in a wide variety of plate and tube formats. Should be able to count both in coincidence and Time Resolved-Liquid Scintillation Counting (TR-LSC) mode for best efficiency in clear bottom as well as opaque plates.
3. Should have twin phototube counting for greatest efficiency of counting while maintaining a minimal background count rate.

4. Should have a stacker/sample changer located wholly within the instrument to keep the sample cassettes protected and maintained at a temperature which is consistent with the detector of the counting system.
5. Should compensate for both optical and isotopic crosstalk allowing use of a wide range of micro plates. Important when counting higher energy beta and gamma emitters.
6. Performance data for Liquid scintillation counting:
Counting efficiency:
 3H-equal to or more than 57%
 14C-equal to or more than 93%
 Maximum count rate: 3,000,000 CPM
7. Should be able to count filter plates & also intact filter mats.
8. Should have a sample loading capacity of more than fifteen 24/96 well plates at a time.
9. Should be FDA or CE or BIS approved product.

Item No. 19

WESTERN BLOT APPARATUS WITH COMPATIBLE POWER PACK

- A. Gel transfer apparatus:
Compact system to transfer proteins efficiently in less time from polyacrylamide gels onto the nitrocellulose or PVDF membrane. Should provide with the gel transfer stacks, to place on top and bottom of the gel.
Apparatus should be impervious to alcohol, alkali and acid.
Should be provided with compatible power pack with leads
- B. Gel transfer apparatus
Dimensions: Should not be greater than 40cm (l)x 20cm (w) x 15 cm (h)
Weight: ≤ 2.5 kg
Features: Suitable for transfer of mini (8x8cm) as well as medi (8x13cm) gel
Operating temperature: 4-40°C
- C. Membrane processing device for western blot:
The device should be fully automated and fast for processing of routine western immunodetection steps. The device should allow processing of at least two membranes in parallel with required reagent sets. The device should have digital program display.
- D. Instrument specifications
Input power: 220-250V
Operating temperature: 4-40°C
Dimensions: Not greater than 20"(w) x25"(d)x15"(h)
Features: Digital display, LED light
Membrane size: Suitable for mini blot (8.5x8.5cm)
- E. Should be FDA or CE or BIS approved product

Item No. 20

Continuous Dichotomous Ambient Particulate Monitor

1. Measurement Method - Tapered Element Oscillating Microbalance (TEOM) technology
2. Measurement Ranges - 0 to 1,000,000 $\mu\text{g}/\text{m}^3$ (1g/m³)
3. Precision - $\pm 2.0\mu\text{g}/\text{m}^3$ (one-hour average), $\pm 1.0\mu\text{g}/\text{m}^3$ (24-hour average)
4. Accuracy - For Mass Measurement: $\pm 0.75\%$
5. Resolution - $0.1\mu\text{g}/\text{m}^3$
6. Flowrate - Main flowrate: Fine PM filter, 3.9L/min.; Coarse PM filter, 1.67L/min.
7. Bypass flowrate- 12.0L/min.
8. Data Memory - Internal datalogging of user-specified variables; 5,00,000 record capacity
9. Input Output - Four averaged analog inputs (0 to 5VDC) with user-defined conversion to engineering units; 8 User-defined Analog Outputs (0-1 or 0-5VDC); 2 User-defined contact closure alarm circuits; Ethernet with embedded FTP server, US, RS-232, and RS-485; touch screen with user interface, and software to view and change system operation from PC
10. Data Output - Selectable from 10 sec. to 24 hour
11. Operating Limits [Temperature Range] [CENTIGRADE] - Temperature of sampled air may vary between -40° and $+60^\circ\text{C}$. TEOM sensor and control units must be weather protected within the range of 8° to 25°C .
12. Power Supply – 220V, 50Hz
13. Should be CE certified or FDA or BIS approved product.

Item No. 21

Continuous Emissions Monitoring System

1. Should be configurable to measure various combinations of SO₂, NO_x, CO, TRS, NH₃, HCl, THC, Hg, CO, O₂, PM, H₂S, Flow, Opacity
2. Measurement ranges for most criteria pollutants from 0 to 10ppm to 0 to 10,000ppm full scale
3. Should meets EPA performance specifications
4. Should have wide dynamic range in different applications
5. System should accommodate devices utilizing the following technologies:
6. NDIR - Nondispersive Infrared: Used to measure carbon monoxide, carbon dioxide, HCl, and other infrared-absorbing gases
7. Chemiluminescence: For the measurement of nitrogen-based compounds
8. Pulsed Fluorescence: For the determination of SO₂
9. FID - Flame Ionization Detection: Measures hydrocarbons to meet the criterion of USEPA Methods 25A and 25B
10. Atomic Fluorescence: The technology utilized by the Mercury Freedom System
11. Transmissometers for opacity monitoring
12. Cross-stack and in-stack ultrasonic monitors for determining flow of gas stream
13. Both full extractive and dilution extractive probes
14. Should be CE certified or FDA or BIS approved product.

Item No. 22

SO3 Analyzer

1. Should be suitable for sensitive, continuous measurement of SO3
2. Should be based on Laser-based measurement technology
3. Should be suitable for rack mounting
4. Measuring range should be 0 - 200ppm
5. Linearity should less than or equal to 1%
6. Sample flow rate 250ml per minute or better
7. Should operate on temperature range -10°C to 45°C
8. Should have LCD display for parameter display and setting
9. Computer connectivity through RS232 or RS 485 or better.
10. Power supply – 220V,50Hz
11. Should be CE certified or FDA or BIS approved product.

Item No. 23

CO Analyzer

1. Should be based on gas filter correlation technology
2. Measurement range 0 - 20000ppm
3. Sample flow rate – 0.5 to 2.0 L/min
4. Linearity – 2%
5. Should have Temperature and pressure correction
6. Alarms for different concentration levels
7. Ethernet connectivity for efficient remote access
8. Key pad programming and LCD display screen
9. Flash memory for data storage
10. Enhanced electronics design optimizes product commonality
11. Improved layout for easier accessibility to components
12. Power supply – 220V, 50Hz
13. Operating temperature range 0°C - 45°C
14. Should be CE certified or FDA or BIS approved product.

Item No. 24

Enhanced Trace Level SO2 Analyzer

1. Should be based on Pulsed fluorescence measurement technology
2. Measurement ranges from 0 - 1000ppb
3. Sample flow rate should be 0.5 L/min
4. Should have linearity of +/- 1%
5. Should have temperature and pressure compensation facility
6. Alarm for different concentration levels
7. PC connectivity through Ethernet , RS 232 or RS 485
8. Keypad programming and LCD display screen
9. Flash memory for data storage
10. Should be ideal for rack mounting
11. Power supply – 220V ,50Hz
12. Should be CE certified or FDA or BIS approved product.

Item No. 25

Dosimeter

1. Dosimeter is used for the routine measurement of electrons, x-rays and gamma rays from linear accelerators, cobalt-60 units and other radiation sources to standardize outputs before treatment. It can also control the precise dose delivered to the patient during treatment.
2. Should be portable, rugged, and easy to operate
3. Should have a measurement range of 30 kv to 140 kv
4. Should have facility for pressure, temperature and chamber response compensation. Ambient Pressure: 500 to 1100millibars; Ambient Temperature: 0° to 40°C; Chamber Factor: 0.800 to 1.200
5. Linearity should be +/- 0.05%
6. Should have a built-in timer with preset facility
7. Trip at dose limit
8. Temperature range from 1 to 4000 sec.
9. Should have a printer output
10. The polarizing voltage divider provides quick and accurate determination of ionization chamber collection efficiency - using the two point technique
11. $\pm V$, $\pm V/2$, $\pm V/4$, $\pm V/8$
12. For continuous, pulsed and swept beam radiation
13. Voltage ratios defined to better than $\pm 2\%$
14. Lockable selector switches
15. LCD screen for parameter display.

Item No. 26

DISSECTING MICROSCOPE (Table top model)

- A
1. Eye piece: Straight binocular type wide field (10 x)
 2. Optic carriers with five steps magnification
 3. Fine focusing- manual
 4. Objective 250mm f & 400 mm f
 5. Cold light co-axial illumination additional 10 spare bulbs
 6. Halogen illuminations 150W with power supply.
 7. Should have 3 spare lamps with each unit.
- B Power Supply
Power input to be 220-240VAC, 50Hz
Should be CE certified or FDA or BIS approved product.

Item No. 27

FULLY AUTOMATED CLINICAL CHEMISTRY - LOW THROUGH PUT

1. SYSTEM: Floor/Bench top Model, Completely open, Discreet, Multi-channel, Random Access, With automatic rerun, automatic reflex testing and capable of performing tests like Enzymes, substrates, Serum Proteins, Electrolytes, TDM assays and Immunoturbidimetric etc.

2. THROUGH PUT: About 400 Photometric tests/Hour and about 600 Tests /Hour with ISE.
3. ASSAY MODES: End point, Rate, fixed point and ISE.
4. Analytical Methods: Colorimetry, turbidimetry, latex agglutination, homogeneous, ISE.
5. SAMPLE LOADING: Minimum of 50 sample positions with continuous Loading. Bar code reading facility for positive sample identification, real time test requisition downloading from host should be possible.
6. Cooled compartment for Standards and Controls.
7. SAMPLE CUPS: Primary and secondary tubes and paediatric cups
8. SAMPLE TYPES: Plasma, Urine, Serum, CSF etc.
9. STAT FACILITY: Facility for continuous loading of stat samples without interrupting the routine run. Minimum 20 STAT sample positions for very urgent samples.
10. SAMPLE VOLUME: 2 to 30 microliters in 1.0 microliter increment.
11. SAMPLE PROBE: Probe should have liquid level sensor .Sample clot detection and crash prevention facility should be available.
12. REAGENT DISK: Refrigerated reagent disk with minimum 50 positions.
13. ON-BOARD PARAMETERS TESTS: Minimum 50 on-board parameters tests.
14. REACTION VOLUME: Should be from 150ul to 300u1
15. REAGENT PROBE: Probe with liquid level sensors and washing facility. Probe crash detection should be available.
16. STIRRER: 2 or more on board variable speed stirrers should be available.
17. CUVETTES: Must have permanent hard glass. It should have the facility to change individual cuvettes.
18. CUVETTE WASHING: Automatic on-board washing.
19. PHOTOMETER: Wavelength ranging from 340 - 750 nm.
20. LAMP SOURCE: Halogen / Xenon Lamp.
21. QUALITY CONTROL: Real Time, Individual and cumulative quality control. Automatic QC programming required.
22. Water Plant: Compatible RO /water purification plant to be supplied.
23. SOFTWARE: Windows based software or compatible.
24. DATA STORAGE: 50000 patient samples.
25. INTER FACE: Unidirectional and Bidirectional communication possible.
26. REAGENTS: Manufacturing company if have their own system reagents, controls and calibrators and the price list for the same should be enclosed with the price bid.
27. Accessories, reagents calibrator and control: company shall provide a list of accessories reagents calibrator and control to be use for running the instrument.
28. The equipment to be supplied should have FDA and CE certification

Item No. 28

Fat Extraction Apparatus

1. Extraction Apparatus, fat, complete
2. Fat Extractor used to determine fat and oil content in samples.
3. Measurement based on AOAC methods.
4. Frame is constructed of anodized aluminium or better.
5. Power consumption 700 watt,

6. Spring-loaded heater elements operated by control knobs / Key pads with variable heat input from 20-100% capacity;
7. Red pilot light;
8. Metal condensers with Type 304 stainless steel heads with automatic pressure-release valves;
9. On/Off switch;
10. Control valve for connection to cold water supply;
11. Water outlet for connection to an open drain
12. Accessories
 - i) 12 borosilicate glass 100 ml beakers.
 - ii) 6 alundum extraction thimbles,
 - iii) 6 heat covers,
 - iv) 6 cork gaskets,
 - v) 6 beaker rings.
 - vi) 6 upper condenser gaskets,
 - vii) 9 sample tubes,
 - viii) 6 support stirrups and
 - ix) 9 borosilicate glass reclaiming tubes.
13. Should be FDA or CE or BIS approved product

Item No: 29

Otorhinolaryngoscope

1. Should be wide angle straight forward telescope 0°
2. Enlarged view Diameter 4mm Length 18cm
3. Should be autoclavable
4. Fiber optic light transmission Incorporated
5. Color Code: Green
6. Manufacturer should be ISO certified for quality standards.

Item No: 30

Horrocks Apparatus

Should be suitable to find out the dose of bleaching powder (chlorine) required for disinfection of water.

Contents of apparatus:

1. 6 white cups with 200 ml capacity each.
2. 1 black cup
3. 2 metal spoons
4. 7 rods
5. 1 pipette
6. 2 droppers
7. Starch-iodine indicator solution

Item No: 31

Chlorinometer / Chloroscope

1. Should be suitable for checking chlorine contents in water at Public Health Depts, Water Testing Labs, swimming pools, Industrial Labs etc.
2. Should be efficient and effective in use.
3. Should have a measuring range of chlorine in drinking water from 0.25 p.p.m. to 2.0 p.p.m.
4. It should consists of:
 - i) Chloro-scope 1 No.
 - ii) Square unbreakable test tube 2 Nos.
 - iii) Glass Dropper with rubber teat 1 No.
 - iv) O-Toludine reagent 125 ml.
 - v) Packed in thermocol box.

Item No: 32

Anemometer

1. Should have LCD display for air velocity and temperature
2. Selectable units include fpm, m/s, km/h, knots, and mph
3. 0.5" diameter metal mini-vane
4. 24" telescopic probe
5. Should have RS232 for data output
6. Auto shut off facility
7. Should have Data hold, Record Max/Min facility
8. Should include battery and hard carrying case
9. Should have an air velocity measuring range of 150 to 2300 fpm with resolution a of 0.1 fpm.
10. Should have a temperature measuring range of 0 to 80° deg with resolution a of 0.1°C
11. Should work on battery power Supply with charger

Item No: 33

Sound level meter and Day Light factor equipment

1. Multi-Function Environment Meter which has the functions of sound level meter, light meter, humidity meter and thermometer.
2. Sound level meter measuring range - 35 to 130dB, +/-3.5dB at 94db.
3. Light Meter measuring range - 20 to 20,000 lux, +/-5% reading.
4. Humidity Meter - 25% to 95% RH - +/-5%RH (at 25°C, 35% to 95% RH).
5. Thermometer - 20 to 750°C, +/-3% reading +/-2°C (-20 to 200°C), +/-3.5% reading +/-2°C (200 to 750°C).
6. Resolution: 0.01Lux, 0.1°C&°F, 0.1%RH, 0.1dB.
7. Measuring Rate: 1.5 times per second.
8. Should have an LCD display for parameter display.
9. Should work on battery power source with charger.

Item No: 34

Ph Meter

- Should be microprocessor based for fast and accurate pH measurement with soft touch control panel
- Should have 3 point calibration with auto buffer recognition
- pH range should be 0-14
- pH and temperature on LCD display
- Refillable triode 3 in 1 epoxy body combination pH electrode
- Accuracy up to 0.01pH

Accessories:

- Standard buffers 4,7,10, PH 250ml each
- Electrode 1 set extra electrode cleaning solution
- The supplier should be ISO certified for quality standards.

Item No: 35

SUCTION MACHINE

1 Technical Specifications

- 1.1 Should be noiseless & should have fast vacuum build up
- 1.2 Should have minimum vacuum of 675mm Hg
- 1.3 Suction capacity should be 50L/min & twin bottle capacity of 3L each
- 1.4 Should have mechanical overflow protection system
- 1.5 Should be supplied with all necessary accessories for the complete system

2 Power Supply

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

3 Documentation

- 3.1 User/Technical/Maintenance manuals to be supplied
- 3.2 Certificate of calibration and inspection from factory.
- 3.2 List of important spare parts and accessories with their part number and costing.

Item No: 36

ECG Machine (12 channel)

1 Description of function

- 1.1 ECG Machine is to record ECG Signal from human body in various configurations. 12 channels data with interpretation are required for recording and analyzing the waveforms with ECG analysis software.

2 Operational requirements

- 2.1 The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them after.

3 Technical Specifications

- 3.1 Should acquire simultaneous 12 lead ECG for both adult and pediatric patients
- 3.2 Should have real time color display of ECG waveforms with signal quality indication for each lead
- 3.3 Should have Artifact, AC, and low and high pass frequency filters.

-
- 3.4 Should have a storage memory of at least 100 ECGs with data transfer by optional modem or data card.
 - 3.5 Should have full screen preview of ECG report for quality assessment checks prior to print.
 - 3.6 Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients.
 - 3.7 Should have alphanumeric Keyboard for patient data Entry.(virtual or hard keys)
 - 3.8 Should have high resolution digital array A4 size printer using thermal sensitive paper.
 - 3.9 Should have report formats of 3 x4; 6 x2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead.
 - 3.10 Should have rechargeable battery capacity of at least 30 ECGs or 30 minutes of continuous rhythm recording on single charge.
 - 3.11 Should be able to be connected to HIS /LAN/Wireless LAN(OPTIONAL)
 - 3.12 Should display ECG on LCD Display
 - 3.13 USB Support (optional) for Storage on external portable memories.
 - 3.14 Should have the facility to generate single page ECG printout with interpretation and Multipage extended full report on end user requirement.
- 4 System Configuration Accessories, spares and consumables
 - 4.1 ECG Machine 12 Leads with Interpretation - 01
 - 4.2 Patient Cable -02
 - 4.3 Chest Electrodes Adult-(set of six) -02 sets.
 - 4.4 Chest Electrodes Paediatric-(set of six) -02 sets.
 - 4.5 Limb Electrodes (set of 4)- 02 sets
 - 4.6 Thermal Paper A4 Size for 500 patients.
 - 5 Power supply
 - 5.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
 - 5.2 Should have rechargeable battery for power back up ,upto 30 ECGs
 - 6 Standards and safety
 - 6.1 Should be FDA or CE approved product
 - 6.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.

Item No: 37

Retinoscope

1. Should have an external focusing sleeve which is easy to grip and manipulate.
2. Should have crossed-linear polarizing filter.
3. Should allow one-hand operation for streak focus and 360° streak rotation.
4. Should be interchangeable to plane mirror and concave mirror mode by sleeve movement.
5. Should use halogen/Xenon streak lamp.
6. Should have 100% dust proof housing and multi-coated optics.
7. Should have detachable brow rest for spectacle wearer
8. Should be battery/ rechargeable battery operated.
9. Should have a carrying case.
10. Should be supplied with the following accessories.
 - Bulb – 5 nos.
 - Bulb holder
 - Bulb cover

Item No: 38

Fetoscope /Fetal Doppler

1. Technical Specification
 - a. Should be high sensitivity hand-held fetal doppler to detect fetal heart rate.
 - b. Should be light weight
 - c. Should have LCD display to show the detected fetal heart rate (FHR).
 - d. Heart rate range should be 60-210 bpm
 - e. Should be battery operated.
 - f. Battery should be rechargeable type.
 - g. Should have auto power down facility to conserve battery life.
 - h. Battery life should be > 6 Hrs.
 - i. Should have low battery indicator.
 - j. Should have following probes.
 - (i) 2MHz probe suitable for general obstetric use
 - (ii) 3MHz probe suitable for detecting heartbeat in very early gestation
2. System Configuration Accessories, spares and consumables
 - a. System as specified - 01 no
 - b. 2 Hz probe - 01 no
 - c. 3MHz probe - 01 no
 - d. Extra Battery 01 no
 - e. Carrying case bag - 01 no
3. Standards, Safety and Training
 - a. Manufacturer should have ISO certification and copy of the same should be submitted along with the technical bid.
 - b. The quoted model should be FDA/CE approved and copy of the same should be submitted along with the technical bid.
4. Documentation
 - a. User/Technical manual in English should be supplied.
 - b. Warranty and CMC as per tender terms.
 - c. Must submit atleast 3 user list and performance report within last 5 years from major hospitals.
Copy of the same should be submitted along with the technical bid.

Item No: 39

Perimeters, with charts (Priestly Smith model)

1. Should have a calibrated arc, revolving chart holder.
2. Should be able to rotate in any direction and fix at any position with a tightening screw. The arc should be graduated from 0° to 90° with a movable test object.
3. At the back of the arc arrangement should be provided for fixing of chart which has concentric circles corresponding to the degrees of arc.
4. Adjustable chin rest.

5. The above mentioned should be fitted over a sturdy base with receptacle for keeping charts.
6. Accessories:
 - a) Different sized (2mm & 5mm), shaped (round & square) and coloured (five different) objects.
 - b) Should be supplied with 20 packets of charts (100 charts/packet).

Item No: 40

Electronic Von frey aesthesiometer

1. Electronic von Frey is used to assess mechanical allodynia with rigid tips (threshold) and the flexible von Frey hairs are used for sensory test on all test subjects.
2. Should plug up to 3 probes into a single unit.
3. The systems should be supplied with rigid tips up to 800 Gr.
4. Should have 1K probe.
5. Microprocessor electronics 0.1 Gr plug in probes.
6. Independent from hygroscoy and temperature.
7. Should have MRI Probe.
8. Should have LCD Readout.

Item No: 41

Stimulator, Isolator & Recorder system

The system should have the four component ie, stimulator, isolation unit for stimulation, average and an oscilloscope.

The system should be able to record electromyography, evoked potentials (motors, somatosensory, visual and auditory), monosynaptic reflexes from rats, mice and rabbits.

1) The stimulator should;

- a. Have single pulse and train stimulation modes
- b. Provide option of current or voltage stimulation
- c. Current stimulation range of 1 μ A-100mA and voltage stimulation range of 0.01 -50V
- d. Provide stimulation frequency from 0.01 – 1000 pulses per sec
- e. Provide stimulation delay of 0.01 – 100ms
- f. Provide stimulation pulse duration of 0.01-100ms
- g. Be able to stimulate auditory and photic stimulation unit

2) The Isolation unit should be separate from the stimulation unit and should have

- a. Input and output ports
- b. Different modes(voltage and current with range in μ V-V and μ A –mA
- c. Allow fine adjustment for volts /current
- d. Adjustment for anodal and cathodal stimulation

3) The average should be a separate unit and should

- a. Be able to average between 1 to 9999 pulses
- b. Be compatible with and have input/outputs ports for stimulator and recorder.
- c. Have the option for manual calibration
- d. Have reset and read out option

4) The oscilloscope should

- a. Have at least 4 channels with options for up gradation of channel numbers
- b. Have option for external as well as auto triggering source

- c. Have low cut filter to be varied from 0.01 Hz – 200 Hz
- d. Have high cut filter to be varied from 10Hz -20KHz
- e. Have AC and DC adjustment option
- f. Have the option for manual calibration
- g. Have time scale range 1 μ s – 2 sec and sensitivity range range 1 μ V-5V

Item No: 42

LANGENDORFF'S APPARATUS

1. The Langendorff system is designed as a perfusion system for isolated, small mammalian hearts and specially designed two-way Teflon taps.
2. Retrograde perfusion of isolated hearts from mouse, rat, guinea pig.
3. Measurements in constant pressure or constant flow mode on the same device
4. Equipped with two columns for using different buffers
5. Capable of recording aortic pressures as high as 250mmHg
6. Equipped for measuring left ventricular pressure (LVP)
7. Ports in the system are available for measuring pressure, flow, temperature and mechanical activity, and for the infusion or injection of drugs
8. Continuous filling of buffer columns with use of a pump
9. Continuous oxygenation of buffers
10. Water-jacketed system for precise temperature control
11. Attachment of simple heart.

Item No: 43

KYMOGRAPH

1. Should run on electric motor,
2. Speed should be adjustable with the minimum 2.5 mm/sec to maximum 640 mm/sec,
3. Shaft with the groove on one side and screw lift at the top,
4. Gear for adjusting the speed,
5. Clutch to change the gear,
6. Contact button with projecting striker or contact arms,
7. Drum 15 x 15 cm,
8. Levelling screw.

Item No: 44

Anthropometric set - Digital

1. Digital weight scale with weights for scale calibration, set of fifteen 10kg calibration weights.
2. Electronic stadiometer with calibration rods.
3. Electronic infantometer.
4. Skinfold caliper.
5. Step wedge standards.
6. Measurement box for upper leg length and calf circumference.
7. Portable weight scales (2 nos)

8. Steel measuring tape
9. Insertion tape
10. Computer terminal:
11. Computer Specifications: 19” Monitor, 4GB RAM, 500GB HD, latest windows operating system with printer.
12. Standards, Safety and Training
 - a. Should have ISO certification and copy of the same should be enclosed along with the technical bid.
 - b. The quoted model should be FDA/CE/BIS certificate and the copy of the same should be enclosed along with the technical bid.
13. Documentation
 - a. Two numbers of complete user/technical maintenance manuals to be supplied in English (Soft copy and hard copy).

Accessories:

- i. Cosmetic pencils (wax base)
- ii. Baby oil

Item No: 45

Anthropometric set – Manual

Technical Specifications of anthropometer and stadiometer system

The system should have provision for:

1. Measuring precision height measurements to the nearest mm.
2. An accurate and direct reading with a range between 600mm and 2100mm.
3. Light weight (less than 15 kg) rust free and have the option of wall mounting with adjustable wall brackets.
4. A stable head block and operate with miniature ball-bearing rollers in order to ensure free movement without any cross play.
5. The anthropometer callipers should have both straight arms for recording biceps, triceps, subscapular and suprailiac skin fold thickness and curved arms for recording mid upper arm circumference, waist circumference and hip circumference with accuracy of 1 mm and range of 50-570mm.
6. An option of a spare counter as well as beam extensions for measurements of heights or girths of upto two meters.
7. Weight scale-1
8. Equipped with a well-made carrying case safety and ease of handling and portability.
9. Standards, Safety and Training
 - a. Should have ISO certification and copy of the same should be enclosed along with the technical bid.
 - b. The quoted model should be FDA/CE/BIS certificate and the copy of the same should be enclosed along with the technical bid.
10. Documentation
 - a. Two numbers of complete user/technical maintenance manuals to be supplied in English (Soft copy and hard copy).

Item No: 46

SURGICAL INSTRUMENTS FOR OPERATIVE PROCEDURES

One set containing:

1. Surgical scissors 5.5 inches – 01 No.
2. Retractor for small animals – 01 No.
3. Needle holder 12.5 cm – 01 No.
4. Scalpel handles with blade – 01 No.
5. Sponge forceps – 01 No.
6. Pithing needle for small animals – 01 No.
7. Bone cutter for small animals – 01 No.
8. Bull dog clamp for small animals – 01 No.
9. Aneurism needle – 01 No.
10. Tissue forceps – 01 No.
11. Dressing forceps – 01 No.
12. Hemostatic forceps (curved & straight) – 01 No. each
13. Iris forceps 10cm – 01 No.
14. Instrument tray autoclavable – 01 No.
15. Instrument case – 01 No.

Item No: 47

HAEMOGLOBINOMETER

The Haemoglobinometer Sahli's type, should be square tube type and the kit should consist of the following:-

Comparator Holder –

1. It should be black in colour and the windows should have the following dimensions :-
 - a. Height : 3 cms (Minimum)
 - b. Width : 0.5. cms (Minimum)
2. Colour comparator
3. Square Hb Tube graduated on both sides for measurement of haemoglobin in percentage and gram %
4. 20 Microlitre Hb – Pipette
5. Amber coloured acid vial
6. Glass Stirrer
7. Dropper with Teat
8. Cleaning Brush

The kit should also be supplied with the following standard accessories:

- i. Square Hb tubes: 01 no.
- ii. Hb pipettes: 01 no.
- iii. HCL N/10: 500ml
- iv. Dropper: 01 no.
- v. Glass stirrer: 01 no.

The manufacturer should be ISO certified /or the product should be ISI marked

Item No: 48

MOSSO'S ERGOGRAPH

1. Should have wooden board fitted with two pair of clamp for fixing forearm on armrest and a pair of steel finger holder.
2. It should have sliding plate over the board.
3. The plate should be fitted with chart holder and a vertically fitted spring loaded writing device for recording.
4. Hook with weights (1 kg each - 10 nos)
5. Standards, Safety and Training
 - a. Should have ISO certification and copy of the same should be submitted along with the technical bid.
 - b. The quoted model should be FDA/CE/BIS certificate and the copy of the same should be submitted along with the technical bid.
6. Documentation
 - a. Two numbers of complete user/technical maintenance manuals to be supplied in English (Soft copy and hard copy).

Item No. 49

DEEP FREEZER (-80 deg)

TYPE: Upright

INTERNAL DIMENSION: 55" x 35" x 25" Approx

EXTERNAL DIMENSION: 78" x 42" x 35" Approx

CAPACITY: 650 – 750 Litres

OPERATING TEMPERATURE: Programmable –50°C up to –86°C with 1°C increment.

ELECTRIC SUPPLY: 220V/50Hz, 10 Amps. single phase

- 1) Fully programmable microprocessor controlled with membrane keypad and eye level control panel.
- 2) Construction should be of thin vacuum insulation panel.
- 3) System should have stainless steel interior and tough, powder coated exterior finish.
- 4) Freezer should have 3 or more Compartment with two or more adjustable height stainless steel shelves.
- 5) Freezer should have the sample (2" vials) capacity of 50,000 or more.
- 6) Freezers should have heated air vent and front panel air filter.
- 7) Freezer should be quoted with CO2 Backup along with CO2 cylinder.
- 8) Heavy duty lockable castors and lockable outer doors.
- 9) Freezer must have battery back-up and set point security through password protection for preventing unauthorized tampering.
- 10) Freezer must have interface data logging port and it must also have on board diagnostic software
- 11) Freezer must have three or more compartments with inner doors for easy handling of samples.

- 12) Audible and visible alarms for temperature, power failure, system failure, battery low etc. and it also have remote alarm port for connection to an auto dialer.
- 13) Freezer must use CFC-FREE, HCFC-FREE non flammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed cascade refrigeration system.
- 14) External or internal voltage stabilizer should be provided so that Compressor should be capable to run any voltage between 190 – 270V. Manufacturing site for the freezer must have ISO 9001 standard quality test requirements and IEC 61010 Electrical safety. The unit should be CE & UL certified.
- 15) Freezer should be supplied with 5KVA voltage stabilizer.
- 16) Should be CE or FDA or BIS approved product

Item No: 50

VERTICAL DEEP FREEZER (-80° C)

1. Upright (vertical) model of international standard (ISO 9001/9002).
2. Internal Capacity more than 350 litres (less than 400 litres).
3. Minimum Temperature up to -70°C . Temperature control should be guaranteed at a min. ambient (surrounding) temperature of 30°C .
4. Temperature alarm (both visible and audible).
5. Minimum of 4 compartments with proper insulation of each. Preferable to have individual insulated door for each compartment, which enables maintenance of temperature in other shelves while one shelf is being opened.
6. Temperature stability for each shelf should be $\pm 1.0^{\circ}\text{C}$ of the set temperature.
7. Temperature homogeneity between the top shelf and bottom shelf should be $\pm 6^{\circ}\text{C}$ of the set temperature.
8. Digital display of set and actual temperature.
9. Should work on 230V / 50Hz single phase electricity point.
10. Voltage stabilizer should be provided with the equipment (either inbuilt or add-on).
11. While the freezer is functioning, audible noise levels produced by it should not be more than 70 db.
12. Should be FDA or CE or BIS approved product

Item No: 51

PC BASED ELISA READER WITH AUTOMATIC WASHER AND SHAKER (COMPLETE UNIT)

A. Technical Specification:

1. Optical system diffraction grating Band width- 8 nm.
2. Wavelength range 230-1000 nm with increment of 1 nm.
3. Measuring range 0-4 Abs.
4. Measurement time-up to 30 Seconds (For 96 well micro plate).
5. Resolution- 0.001 Abs.
6. Light Source- tungsten- Halogen/ Deuterium/ Xenon lamp.
7. Accuracy - ± 0.010 @ 1Abs.
8. Measurement time upto 30 Sec. (for 96 well microplate) Read methods End point, kinetic, spectral scanning and well scanning and well area scanning
9. Power supply -230 V AC ± 10 , 50Hz.

10. Self Check- System should perform self check before every measurement.
11. Sampling-96 well micro plate and 8/12 well micro strips.
12. Micro plate shaking facility with programmable shake.
13. Plate carrier to accommodate PVC and Polystyrene (flat, U and V bottom 96 well microplate).

B. Data station:

1. I5 3rd generation processor with licensed windows operating system, 500GB hard disk, 4GB ram, DVD RW, 17" LCD colour monitor and Colour laser printer.
2. Software- facility for reading complete plate or even a single well.
3. Multiple blanking options.
4. Data Presentation in 4 Modes (absorbance, transmission, blank subtracted absorbance limit +/-report).
5. Quantitative analysis using linear and quadratic curve pointing calibration
6. Multi-pointing Calibration.
7. Software of qualitative kits.
8. Checking of Controls.
9. Calculation of cut- offs.
10. Final report in +/- format.
11. Storage facility for easy recall or processing of sample and data.

C. Automated washer:

1. Plate type (96 well).
2. Wash bottle capacity 2-4 liters.
3. Additional wash bottle capacity 2 liters.
4. Residual aspiration Volume < 5 ul.
5. Hard Ware specifications:
 - a. Manifold 8 or 12 Channels.
 - b. Vacuum power – 1 integrated vacuum power.
 - c. Waste bottle 2 L.
 - d. User interphase Flat with 5 diaphragm keys.
 - e. 2-4 x 20-26 characters LCD screen.

D. Software specification:

1. Up to 75 wash programmable protocols.
2. Wash program cards 4-6 cycles.
3. Wash mode – strip and plate mode.
4. Accepts flat or curved bottom.
5. Programmable Vertical and horizontal speeds and vertical and horizontal position of aspirating needle in relation with wells.

E. Microplate Shaker:

1. Speed: 50 -250rpm.
2. Time: up to 15 minutes.
3. Capacity- upto 6 microplates.

F. Should be FDA or CE or BIS approved product

Item No. 52

INCUBATOR

A. Technical specifications:

1. Capacity: 100 – 150 L
2. Interior chamber: Stainless steel for easy cleaning and decontamination
3. Timer: 1 min. to 100 hours and hold position
4. Minimum turbulence and no cross contamination
5. Adjustable safety thermostat for temp setting at 1 deg C increment
6. Temp Accuracy +/-1% of required temp, with inbuilt Temperature Sensor
7. Internal glass door for the observation
8. With minimum two adjustable shelves
9. Audiovisual Alarm to Indicate when temperature deviates more than 1°C from set point, and when program or time has finished. Alarm may be muted.
10. Peltier or Jacket or Blanket heating with continuous air circulation and Heating by natural/forced convection for homogenous temperature distribution
11. Temperature range: +5° C to 80°C
12. There should be a Membrane Keypad with LCD/LED to set and display operating parameters, current status, running time and alarm conditions for time and temperature.
13. Interior lighting facilities, insulated door fitted with heavy hinges handle locking, mechanical door lock.

B. Power Supply:

1. Power input to be 220-240VAC, 50Hz fitted with Indian plug
2. Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

C. Standards:

1. Should be CE or FDA or BIS approved product.

Item No: 53

INCUBATOR

1 Description of Function

- 1.1 Incubator is a closed chamber which heats/chill a sample at a preset temperature for long term for applications like culture growth etc.

2 Operational Requirements

- 2.1 Microprocessor/Microcontroller/Microcomputer controlled system.

3 Technical Specifications

- 3.1 Capacity: 100-150 L
- 3.2 Interior chamber: Stainless steel for easy cleaning and decontamination
- 3.3 Timer: 1 min. to 100 hours and hold position
- 3.4 Minimum turbulence and no cross contamination
- 3.5 Adjustable safety thermostat for temp setting at 1 deg C increment
- 3.6 Temp Accuracy +/-1% of required temp, with inbuilt Temperature Sensor
- 3.7 Internal glass door for the observation
- 3.8 With minimum two adjustable shelves
- 3.9 Audiovisual Alarm to Indicate when temperature deviates more than 1°C from set point, and when program or time has finished. Alarm may be muted.
- 3.10 Peltier or alternative heating system with continuous air circulation and Heating by natural/forced convection for homogenous temperature distribution

- 3.11 Temperature range: +5° C to 80°C
- 3.12 There should be a Membrane Keypad with LCD/LED to set and display operating parameters, current status, running time and alarm conditions for time and temperature.
- 3.13 Interior lighting facility, insulated door fitted with heavy hinges handle locking, mechanical door lock.
- 4 System Configuration Accessories, spares and consumables**
 - 4.1 As specified
- 5 Environmental factors**
 - 5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
 - 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
 - 5.3 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%
- 6 Power Supply**
 - 6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
 - 6.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.
- 7 Standards, Safety and Training**
 - 7.1 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
 - 7.2 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activity
 - 7.3 Should be FDA or CE or BIS approved product

Item No. 54

Deep Freezer (-20 deg C)

- 1 Description of Function
 - 1.1 Deep Freezers are required to preserve blood and blood products, vaccinations etc at specified temperature.
- 2 Operational Requirements
 - 2.1 Vertical Freezer, single door with adjustable 6 to 8 shelves or drawers (frost free).
 - 2.2 Separate Chamber racks or drawers to be pulled out for easy handling
 - 2.3 Non-CFC refrigerant
- 3 Technical Specifications
 - 3.1 Capacity: 300L to 400 L
 - 3.2 Digital display of set and actual temperature, with audiovisual alarm
 - 3.3 No condensation on storing material with automatic defrost.
 - 3.4 Construction: Solid rust free cabinet to prevent corrosion and lockable castor wheels.
 - 3.5 Refrigeration System:
Heavy Duty refrigeration system, with low maintenance, below -20 deg C (+10 deg C) with hermetically sealed refrigeration compressor and reliable refrigeration to minimize noise and vibration, air cooled with special design or arrangement to prevent unintentional switch off shall be supplied. It should have maximum cooling time hours at maximum ambient temperature of 33 deg C. The equipment should be of continuous duty and frost free.
 - 3.6 Alarm
It should also have audio visual Electronic Alarm System independent of power supply.

- 3.7 Insulation
High density polyurethane or equivalent Gaskets - Double seal silicon.
- 4 System Configuration Accessories, spares and consumables
- 4.1 As specified
- 5 Environmental factors
- 5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
- 5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
- 6 Power Supply
- 6.1 Power input to be 220-240VAC, 50Hz.
- 6.2 Resettable over current breaker shall be fitted for protection.
- 7 Standards
- 7.1 Should be CE or FDA or BIS approved product

Item No: 55

VERTICAL DEEP FREEZER (-20° C)

A. Specifications:

Ultra Low Temperature Freezer – with operating temperature of (-20) Deg C having internal volume approximately 400 Litres, External casing should be powder coated galvanized sheet metal, non corrosive.

B. Main Features:

1. Internal Casing: Stainless steel or steel with 4 lockable castors.
2. Heated door sealing, lockable doors.
3. Five Drawers or compartments each with separate inner doors for better sample protection through minimum sample warming.
4. Adjustable shelves.
5. Polyurethane Insulation minimum of 70mm for better thermal insulation and sample safety in case of power failure.

C. Refrigeration:

1. Refrigeration – CFC and HCFC free.
2. Cooling system with hermetic compressors.

D. Control Unit:

1. Microprocessor controlled.
2. Temperature deviation of maximum +/-3 deg C
3. Ambient temperature: 16 to +32°C.
4. Actual temperature display with at least 20mm LED display for better visibility.
5. Key Board lockable Battery Powered.
6. Optical and acoustical alarm system for high and low temperature.
7. Voltage stabilizer.

E. Should be FDA or CE or BIS approved product

Item No: 56

LAB REFRIGERATORS

1. Capacity (as per user requirement) 300-380 Litres.
2. Temperature 2-8° C.
3. Preferably roller or caster mounted.
4. Adjustable shelves.
5. Battery backup for display and alarms.
6. Durable rust free exterior.
7. Durable interior.
8. Control panel with temperature alarm, on/off switch and digital thermometer.
9. Interior lighting, auto or manual defrosting arrangement.
10. Adequate circulation of air to ensure even cooling.
11. Door with lock.
12. Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display.
13. Electronic automatic temperature control,
14. Operable at 220 V, 50 Hz, single phase AC supply.
15. Compressor unit to be hermetically sealed with guarantee for at least five years.
16. Training of laboratory staff for the purchased equipment.
17. Availability of spares/ disposables for at least 10 years.
18. List of users and satisfactory report of quoted model from reputed institute preferably Government institute/ hospitals.
19. Should have all the accessories required for the functioning of the equipment.
20. CE / ISI mark or other equivalent quality certification.
21. All electrical peripherals required for smooth functioning e.g. voltage stabilizer provided with the equipment.
22. Demonstration: As per General Tender Terms & Conditions.

Item No: 57

ELECTROLYTE ANALYZER

1. The Analyser should have option to measure Blood/Serum/Plasma/Urine
2. The Analyser should be able to measure Na, K, Cl and Expandable to Ca and Li
3. Should have Integrated Pack to avoid Wastage Handling
4. Should have more than 800 Samples results Storage or more
5. Sample volume should be less Than 120 ul
6. Should have economy mode to save Reagents Consumption
7. Should have In-Built Thermal Printer
8. Should have option to feed Patient Name and Patient ID.
9. Should have Barcode Scanner (Optional)
10. Suitable UPS with maintenance free batteries of minimum one hour back up should be supplied with the system.
11. Should be FDA or CE or BIS approved product

Item No: 58

ULTRA CENTRIFUGE

1. Maximum Speed: 100,000 rpm or more.
2. Speed control Accuracy: ± 10 rpm.
3. Maximum RCF: 802,000 g (Approx.)
4. Maximum Capacity: 1.5 litre
5. Tube volume range: 1.5 ml – 250 ml
6. Set Temperature: 0 to 40°C
7. Ambient Temperature 10 to 35°C
8. Cooling system: CFC & HCFC free
9. Acceleration / Deceleration Profile: 10/10 or more
10. Programmability: 20 or more with step run facility
11. Power: 210-240 VAC, 50 Hz, 30 A.
12. Machine should have features like eye-balancing of samples, delayed start/ stop, dual display of 'Run' & 'Set' parameters, data entry through key pad & touch pad, RPM/RCF mode, Rotor Life Management etc.
13. Machine should accept rotors of other makes.
14. Fixed Angle Rotors of titanium/carbon with 8 places of 6.5 ml (100,000 rpm, 802,000xg) & of carbon Fibre/titanium with 6 places of 13.5 ml (65,000 rpm, 324,000xg) & of carbon Fibre/titanium with 24 places of 1.5 ml (50,000 rpm, 280,000xg)
15. Vertical rotor of Titanium with 8 places of 6 ml (70,000rpm, 467,000xg)
16. Top-loading Swing bucket rotor Titanium make with 6 places of 36 ml (30,000 rpm, 167,000xg)
17. Should be FDA or CE or BIS approved product

Item No: 59

LYOPHILIZER

1. System should be compact, bench-top.
2. The system should have Microprocessor Controlled LCD system.
3. The Programmable controlled temperature.
4. Automatic defrosting system for ice condenser when necessary.
5. The system should have Vacuum Control / Break Valve.
6. The system should have Hot Gas defrosts and switch.
7. The refrigerant type should be CFC free.
8. The condenser capacity should be minimum 3.5 litres.
9. Stoppering should be top down pneumatic.
10. Preferably double compressor.
11. Should be CE or BIS approved product

Item No: 60

Ultrasound machine

1. New generation Digital Beam former with dynamic receiver transmitter.
2. Wide bandwidth transducer with system frequency ranging from 2.6 — 10.0 MHz.
3. At least 30 Exam presets.
4. System should Support Convex, Linear and Sector transducer.

5. Should have at least 100 frames/sec frame Rate
6. Integrated with minimum 12inch High resolution Monitor
7. At least 30 steps selectable Dynamic Range
8. B Mode, 2D and M Mode scanning Mode should be available.
9. Image processing - Edge enhancement, Persistence, Post processing, Frequency Selection as standard
10. System should have standard Tissue Harmonic Imaging, should be available in convex and Linear Transducers.
11. Zoom facility should be available with real time, frozen images and including cine replay, Up to X20 should available.
12. Post processing features should be possible on freeze and cine images, ie zoom, gray maps and measurements, Reports, pictograms and annotations
13. At least 50 annotations should be available.
14. At least 8 slide controls should be available.
15. Scanning depth of 2-24cm with 1 cm increment should be possible
16. Should have an integrated workstation with inbuilt storage having minimum 40GB HDD and inbuilt DVD RW for transferring images and reports
17. DICOM print and store should be offered as standard.
18. Up to two probes should be connected simultaneously.
19. Complete measurement package for Obs/Gyne, Urology, Surgery, Orthopaedics and small parts along with reports for each should be available.
20. Required transducers:
 - Convex transducer (2.0 - 5.0Mhz) with at least three selectable fundamental frequencies, Two tissue Harmonic imaging frequencies and at least 128 element as standard
 - Endocavity (4.0-9.0Mhz) Transducer user selectable frequency with 140° ROI
 - Linear transducer (5.0-10.0 Mhz) with tissue harmonic imaging and at least 128 elements as standard
21. Standard accessories – UPS for system with 30 minutes back up
22. Should be FDA or CE or BIS approved product

GENERAL TECHNICAL SPECIFICATIONS**GENERAL POINTS:**

1. Warranty:
 - a) Two years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) 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 equipments for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipments to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipments. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipments checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.

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

01. The tenderer must be a manufacturer. In case the manufacturer does not quote they shall give reasons for not quoting directly. They may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. (For equipments 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. If at any time, information furnished is proved to be false or incorrect, the earnest money furnished will be forfeited**

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 of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

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 _____

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

1 Schedule No.	2 BRIEF DESCRIPTION OF GOODS	3 QUANTITY. (Nos.)	4 Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					5 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

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

Note: -

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

Name _____

Business Address _____

Signature of Tenderer _____

Seal of the Tenderer _____

Place: _____

Date: _____

SECTION – XII

QUESTIONNAIRE

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

- 1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) fails or refuses to furnish the performance security for the due performance of the contract or
 - b) fails or refuses to accept/execute the contract or
 - c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

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

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

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

.....
Name and designation of the officer

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

SECTION – XIV

MANUFACTURER’S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

(*please provide reason here*).

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

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

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

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

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

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

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

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

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

This guarantee shall be valid up to 30 (thirty) months from the date of Notification of Award i.e. up to ----- (indicate date)

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

.....
Name and designation of the officer

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No _____ dated _____

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

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

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

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

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

- (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

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

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

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B
CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No. _____ dated _____
 Between _____

(Address of Head of Hospital (AIIMS))
 And _____

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

SECTION – XVII

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

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

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

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

ToM/s _____

Subject: Certificate of commissioning of equipment/plant.

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to 'Technical Specifications'.

- b) He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

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

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

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

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

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

**SECTION – XIX
ANNEXURES**

Annexure 1

Deleted being domestic tender

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

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
16.	Have you submitted Quality Control requirement as per section –VIII of TED			
17.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
18.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			

N.B.

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

(Signature with date)

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

(Name, address and stamp of the tendering firm)

Section – XXI Consignee List

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

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