DOMESTIC TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENTON BEHALF OF

DR. BABA SAHEB AMBEDKAR HOSPITAL

AN INSTITUTE UNDER

DEPARTMENT OF HEALTH & FAMILY WELFARE
GOVT OF NCT OF DELHI

HLL/PCD/GNCTD/14/BSAH/14-15

BY

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(A GOVERNMENT OF INDIA ENTERPRISE)
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SECTION I

NIT **No:HLL/PCD/GNCTD/14/BSAH/14-15** **Dated: 09.09.14**

NOTICE INVITING TENDERS (NIT)

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

Sl. No.	Tender ID In GNCTD Portal	Name of the Item	Department	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)
1	2014_HFWD_65918_1	Automated Analyzer	Community Medicine	2	1,000	60,000
2	2014_HFWD_65918_2	Tissue Processor- Automatic	Forensic medicine	1	500	6,000
3	2014_HFWD_65918_3	Elisa Reader and Washer	Microbiology	1	500	9,000
4	2014_HFWD_65918_4	Autoclave Electric (Vertical)	Biochemistry(2) Pharmacology(1)	3	500	4,800
5	2014_HFWD_65918_5	Autoclave (Vertical)	Community Medicine(1) Microbiology(3) Pathology(2)	6	500	9,600
6	2014_HFWD_65918_6	Balance Analytical (Balance open pan)	Biochemistry	6	500	12,000
7	2014_HFWD_65918_7	Balance Electronic 1.0 mg-Accuracy (Balance semi micro)	Biochemistry(2) Pathology(4) Anatomy(1) Community Medicine(3) Forensic medicine(1)	11	500	17,600
8	2014_HFWD_65918_8	Analytical Balance (Chemical)	Microbiology	2	500	3,200
9	2014_HFWD_65918_9	Balance Electronic 0.1 mg-Accuracy (Balance micro)	Biochemistry(1) Pharmacology(2) Pathology(2)	5	500	8,000
10	2014_HFWD_65918_10	Balance Semi micro Analytical Pan Mottler	Pharmacology	1	500	4,000
11	2014_HFWD_65918_11	Weighting Machine for Dead Bodies	Forensic medicine	1	500	1,400
12	2014_HFWD_65918_12	Centrifuge Clinical for 12 tubes	Biochemistry(6) Community Medicine(1) Microbiology(2) Pharmacology(2)	11	500	15,400
13	2014_HFWD_65918_13	Centrifuge Electric International RPM-3000	Pharmacology	2	500	2,400
14	2014_HFWD_65918_14	Cyto Centrifuge for Haematological work	Pathology	1	500	5,000

Sl. No.	Tender ID In GNCTD Portal	Name of the Item	Department	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)
15	2014_HFWD_65918_15	Table Top Centrifuge	Pathology	3	500	3,000
16	2014_HFWD_65918_16	Centrifuge, high speed with tachometer etc.	Physiology	1	500	1,000
17	2014_HFWD_65918_17	Refrigerated Centrifuge	Microbiology	1	500	9,000
18	2014_HFWD_65918_18	Deionizer	Pharmacology	2	500	2,000
19	2014_HFWD_65918_19	Digital Presentar	Anatomy	1	500	1,400
20	2014_HFWD_65918_20	Dissecting Instruments	Anatomy	50	500	8,000
21	2014_HFWD_65918_21	Autopsy table (Down Draft Ventilated Autopsy Table with Integral Sink)	Forensic medicine	2	500	20,000
22	2014_HFWD_65918_22	Dissection Table - Standard	Anatomy	20	500	10,000
23	2014_HFWD_65918_23	Distillation Apparatus	Biochemistry(3) Forensic medicine(1) Pharmacology(8) Community Medicine(1) Pathology(1) Anatomy(2)	16	500	25,600
24	2014_HFWD_65918_24	Distilled Water Plant	Microbiology	2	500	3,200
25	2014_HFWD_65918_25	All Glass Distillation Aparatus	Biochemistry(3) Pharmacology(2)	5	500	10,000
26	2014_HFWD_65918_26	All Glass Distillation Aparatus Double Stage	Physiology	1	500	2,000
27	2014_HFWD_65918_27	All Glass Distillation Aparatus	Microbiology	1	500	2,000
28	2014_HFWD_65918_28	Micro Pipettes	Biochemistry	15	1000	60,000
29	2014_HFWD_65918_29	ECG Machine	Community Medicine(2) Pharmacology(1)	2	500	4,800
30	2014_HFWD_65918_30	Agarose Gel Electrophoresis	Biochemistry	6	500	30,000
31	2014_HFWD_65918_31	ElectrophoresisSystem (Horizontal)	Microbiology	1	500	2,000
32	2014_HFWD_65918_32	Embalming Machine and Accessories	Anatomy	2	500	14,000
33	2014_HFWD_65918_33	Fat Extraction Apoparatur	Community Medicine	1	500	40,000
34	2014_HFWD_65918_34	Hot air oven size 14”x14”x14”	Biochemistry(4) Pharmacology(1)	5	500	8,000
35	2014_HFWD_65918_35	Hot air oven	Anatomy	1	500	1,400
36	2014_HFWD_65918_36	Hot air Sterliser	Microbiology	2	500	3,200
37	2014_HFWD_65918_37	Human Skeleton Articulated (Real Bones)	Anatomy	5	1000	100,000

Sl. No.	Tender ID In GNCTD Portal	Name of the Item	Department	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)
38	2014_HFWD_65918_38	Complete Human Bones set disarticulated (Real Bones)	Anatomy	25	2000	150,000
39	2014_HFWD_65918_39	Incubator electric	Microbiology(4) Pathology(1) Anatomy(1) Pharmacology(3)	9	500	10,800
40	2014_HFWD_65918_40	Stage Incubator	Biochemistry(4) Physiology(1)	5	500	5,400
41	2014_HFWD_65918_41	Incubator, electric	Community Medicine	1	500	4,000
42	2014_HFWD_65918_42	BOD Incubator	Microbiology	2	500	10,000
43	2014_HFWD_65918_43	Instruments Sterilliser Electric size:12”x8”x6”	Pharmacology	1	500	6,000
44	2014_HFWD_65918_44	Laminar Airflow	Microbiology	1	500	8,000
45	2014_HFWD_65918_45	Binocular research microscopes	Biochemistry	2	500	16,000
46	2014_HFWD_65918_46	Binocular research microscopes for Faculty	Microbiology(2) Pathology(1) Forensic medicine(3)	6	500	48,000
47	2014_HFWD_65918_47	Microscopes, Oil immersion	Physiology	42	500	29,400
48	2014_HFWD_65918_48	Binocular Microscope (for Students)	Microbiology(55) Anatomy(60) Pathology(75) Forensic medicine(25) Biochemistry(6) Community Medicine(2) Pharmacology(4)	227	2,000	136,200
49	2014_HFWD_65918_49	Dissecting Microscope	Community Medicine(30) Anatomy(5)	30	2,000	150,000
50	2014_HFWD_65918_50	Motorised Rotary Microtome (Semi automatic)	Anatomy(2) Forensic medicine(1)	3	500	36,000
51	2014_HFWD_65918_51	Sledge and Freezing Microtome	Anatomy	1	500	8,000
52	2014_HFWD_65918_52	Paraffin Embedding System	Anatomy	1	500	6,000
53	2014_HFWD_65918_53	pH Meter	Biochemistry(1) Pathology(2) Physiology(1)	4	500	2,800
54	2014_HFWD_65918_54	Physiograph, 3 channels, complete with accessories	Physiology	1	500	5,600
55	2014_HFWD_65918_55	Physiograph, single channel, with accessories	Physiology	6	500	18,000
56	2014_HFWD_65918_56	Mortury Cooler/ Refrigerator for 8 bodies	Anatomy	2	500	32,000
57	2014_HFWD_65918_57	Mortury Cooler/ Refrigerator	Forensic medicine	1	500	16,000

Sl. No.	Tender ID In GNCTD Portal	Name of the Item	Department	Qty	Tender Fees (Rs.)	EMD Amount (Rs.)
58	2014_HFWD_65918_58	Ice Lined Refrigerator (Small)	Community Medicine	1	500	1,400
59	2014_HFWD_65918_59	Refrigerator, 9-10 cft.	Physiology	1	500	1,000
60	2014_HFWD_65918_60	Lab Refrigerators	Microbiology	3	500	3,000
61	2014_HFWD_65918_61	Lab Refrigerators	Anatomy(2) Biochemistry(4) Pharmacology(2)	8	500	8,000
62	2014_HFWD_65918_62	Deep Freezer -20 deg C	Microbiology(1) Community Medicine(1)	2	500	6,000
63	2014_HFWD_65918_63	Mortuary Deep Freezer	Forensic medicine	1	500	16,000
64	2014_HFWD_65918_64	Spectrophotometer (UV Visible range)	Pharmacology	1	500	5,000
65	2014_HFWD_65918_65	UV Vis Spectrophotometer	Forensic medicine	1	500	8,000
66	2014_HFWD_65918_66	Spectrophotometer	Biochemistry	1	500	8,000
67	2014_HFWD_65918_67	Van Slyko's apparatus manometric	Physiology	2	500	2,400
68	2014_HFWD_65918_68	Water Bath	Pharmacology(12) Biochemistry(6) Microbiology(1) Pathology(2) Pharmacology(10)	31	500	43,400
69	2014_HFWD_65918_69	Water Bath Serological	Biochemistry(4) Pharmacology(1)	5	500	6,000

B) Time Scheduled for NIT in all the Tender IDs

Sl No	Description	Schedule
i.	Dates of sale of tender enquiry documents	10.09.2014 to 07.10.2014 (10:00 AM to 04:00 PM 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.	Pre Tender Meeting Date & Time	17.09.2014, 11:00 hrs IST
iv.	Pre Tender Meeting Venue	Same as 1 B (ii)
v.	Date & time of closing of online tender in GNCTD Portal	07.10.2014, 06:00 PM IST
vi.	Closing date & time for submission of physical Tender	08.10.2014, 01:30 PM IST
vii.	Date & time of opening of tender	08.10.2014, 02:00 PM IST
viii.	Venue of submission of Physical Tender/ Opening of Techno Commercial Tender	Same as 1 B (ii)

2. Interested tenderers may obtain further information about this requirement from this office inviting the tenders.

3. The prospective bidders who have not registered can register with E-procurement system of NIC by paying necessary registration charges. The bidders may prepare a banker cheque/Draft in favour of Delhi E-governance society and deposit it at E-procurement help desk room. The details of payment can be obtained from help desk.

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

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

   (i) Tender Fee and EMD

   (ii) Pre-qualification and Technical compliance as per following documents (Both online and physical):

   a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
   b) Tender Form as per section X
   c) Copy of PAN.
   d) Certificate of Incorporation or Declaration in case of being a proprietary firm.
   e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
   f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
   g) Quality Control Requirements as per Section VIII
   h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
   i) Affidavit as per Section XIX
   j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

   (iii) Price Bid (Only online).

3. All prospective tenderers may attend the Pre Tender meeting. For all the above tender IDs, Prebid meeting shall be held at Conference Room of HLL Lifecare Limited, B-14A, Sector -62, Noida, GautamBudh Nagar, U.P. - 201 307.

4. Tenders in desired Physical Form to be submitted in the tender box provided at the address mentioned in para 3 above.

5. To participate in the submission against the tender, it is mandatory for the Applicants to get digital signature and get themselves registered with e-tendering system of various hospitals under Govt. of NCT of Delhi.

6. Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.govtprocurement.delhi.gov.in and submit its tender online after logging in to their user ID at www.govtprocurement.delhi.gov.in.

7. Tenderers shall ensure that their tenders, complete in all respects, are submitted **online and desired hard copies in original** dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.

8. In the event of any of the above mentioned dates being declared as a holiday /closed day for the purchase organisation, the physical form of tenders will be received/opened on the next working day at the appointed time.

Head (P&CD)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

2. Introduction

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

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

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

2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents.

Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

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

- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Affidavit
- 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 the referred websites only.

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

10. Clarification of TE documents

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing on or before the pre-bid meeting.

10.2 Each prospective Tenderer can attend the Prebid meeting mentioned in para 4 in Section I with maximum 2 persons duly authorized by Tenderer.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

(i) Tender Fee, EMD, Pre-qualification as per checklist section XIX (Both online and physical) and as mentioned in Para A) below.
(ii) Technical Bid (Both online and physical)
(iii)Price Bid (Only online).

Bidders are requested not to submit the hard copy of Financial Bid along with thephysical form of tender. In case thehard copy of financial bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

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

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

iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.

iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form. **While giving authorization to agent, to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**

v) Deleted.

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

vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.

viii) Deleted

ix) Certificate of Incorporation.

B) Price Tender:

1. Prices are to be quoted in the attached Price Bid format online as per the directionson the official website.

2. The price should be quoted for the accounting unit indicated on the website.

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

Note:

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

11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalfof another shall be deemed to warrantee that he has authority to bind such other personsand if, on enquiry, it appears that the persons so signing had no authority to do so, thepurchaser may, without prejudice to other civil and criminal remedies, cancel the contractand 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. ~~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, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.

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

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

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

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

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

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

19. Earnest Money Deposit (EMD)

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

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

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

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

19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HLL LifecareLimited" 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 Deleted

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

21.4 The tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same

person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

21.5 Deleted.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

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

(i) Tender Fee and EMD

(ii) Pre-qualification and Technical compliance as per following documents (Both online and physical):

a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).

b) Tender Form as per section X

c) Copy of PAN.

d) Certificate of Incorporation or Declaration in case of being a proprietary firm.

e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)

f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.

g) Quality Control Requirements as per Section VIII

h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.

i) Affidavit as per Section XIX

j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

(iii) Price Bid (Only online).

Bidders are requested not to submit the hard copy of Financial Bid along with the physical form of tender. In case the hard copy of financial bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

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

22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for physicalsubmission of

tender falls on /is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

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

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

27.3 Deleted

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not the meet the basic requirements, are liable to be treated as non-responsive and will be rejected.

27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;

(i) The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).

(ii) Tender validity is shorter than the required period.

(iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.

(v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.

(vi) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.

(vii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.

(viii) Poor/ unsatisfactory past performance.

(ix) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.

(x) Tenderer is not eligible as per GIT Clauses 5& 17.1.

(xi) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.

(xii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmity/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has

made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. ~~Deleted~~

33. Schedule-wise Evaluation

Deleted.

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation. **"Net Present value (NPV) of the Comprehensive Annual Maintenance Charges (CMC) quoted (for required period as mentioned in the list of requirement) 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 off to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

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

41. Notification of Award

41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

41.2 The Notification of Award shall constitute the conclusion of the Contract.

42. Issue of Contract

42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.

42.3 The Purchaser/Consignee reserve the right to issue the Notification of Award consignee wise.

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission)

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

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	27
B	8 to 10	TE documents	No Change	27
C	11 to 21	Preparation of Tenders	No Change	27
D	22 to24	Submission of Tenders	As detailed	27
E	25	Tender Opening	No Change	27
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	27
G	38 to 45	Award of Contract	No Change	27

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.

(i) The following documents shall be prepared and scanned in different files (in PDF or JPEG format as prescribed) and uploaded during the on-line submission of Proposal. These documents shall also be submitted in '**ORIGINAL**' to HLL Lifecare Ltd before the prescribed date & time for submission of Proposals.

a) Demand Draft towards Tender Fee in favour of HLL Lifecare Ltd

b) EMD in the prescribed format in favour of HLL Lifecare Ltd

c) Technical Data Sheet and original technical literature/ Brochure (if any)

(ii) All document(s)/ information(s) other than above including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.

(iii) The prospective bidders may **scan the documents in low resolution (75 to 100 DPI)** instead of 200 DPI. The documents may be scanned for further lower resolution (if possible).This would reduce the size of the Cover and would be uploaded faster.

(iv) The prospective bidders may upload Drawing files, if any, in **".dwf"** format so that the size of document is less. This is a generic format and all software supports this format.

(v) At the time of cover content creation, the prospective bidders would have to define the document type as".**rar**" format.

(vi) The prospective bidders should be asked to zip all the .dwf files to a .rar file and upload it.

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)
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GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum thirty /sixty six (30/66 as per applicable Warranty period of 2/5 years) months from the date of Notification of Award

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

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

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

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

7.3 Packing instructions:

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

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

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

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & 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 onConsignee 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 have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

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

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

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

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

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

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

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;
(i) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(ii) Two copies of packing list identifying contents of each package;
(iii) Inspection certificate issued by the nominated Inspection agency, if any.
(iv) Certificate of origin;
(v) Insurance Certificate as per GCC Clause 11.
(vi) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

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 equipment 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 equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser/Consignee.

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

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

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

19. Prices

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

20. Taxes and Duties

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

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

80% payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

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

(v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(vi) Certificate of origin.

b) On Acceptance:

Balance 20% payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

B) Payment for Imported Goods: Deleted

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:
The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

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

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

21.4 ~~Deleted~~

21.5 ~~Deleted~~

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) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
(b) Delay in supplies, if any, has been regularized.
(c) The contract price where it is subject to variation has been finalized.

(d) The supplier furnishes the following undertakings:

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

22. Delivery

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

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

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

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

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

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
(c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would

be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

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

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

a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

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

29. Notices

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

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

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

30. Resolution of disputes

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

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

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

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

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

33. General/ Miscellaneous Clauses

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

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

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

33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

The Warranty and CMC period will be strictly as mentioned in the list of requirement (Section VI, part I) only irrespective of any other period mentioned elsewhere in the tender enquiry. Also, CMC only to be quoted after warranty period instead of AMC mentioned (if any) in the tender specification.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Tender ID	Name of the Item	Department	Qty	Warranty Required	CMC Required
1	2014_HFWD_65918_1	Automated Analyzer	Community Medicine	2	2 Year	5 Year
2	2014_HFWD_65918_2	Tissue Processor- Automatic	Forensic medicine	1	2 Year	5 Year
3	2014_HFWD_65918_3	Elisa Reader and Washer	Microbiology	1	2 Year	5 Year
4	2014_HFWD_65918_4	Autoclave Electric (Vertical)	Biochemistry(2) Pharmacology(1)	3	2 Year	5 Year
5	2014_HFWD_65918_5	Autoclave (Vertical)	Community Medicine(1) Microbiology(3) Pathology(2)	6	2 Year	5 Year
6	2014_HFWD_65918_6	Balance Analytical (Balance open pan)	Biochemistry	6	2 Year	5 Year
7	2014_HFWD_65918_7	Balance Electronic 1.0 mg-Accuracy (Balance semi micro)	Biochemistry(2) Pathology(4) Anatomy(1) Community Medicine(3) Forensic medicine(1)	11	2 Year	5 Year
8	2014_HFWD_65918_8	Analytical Balance (Chemical)	Microbiology	2	2 Year	5 Year
9	2014_HFWD_65918_9	Balance Electronic 0.1 mg-Accuracy (Balance micro)	Biochemistry(1) Pharmacology(2) Pathology(2)	5	2 Year	5 Year
10	2014_HFWD_65918_10	Balance Semi micro Analytical Pan Mottler	Pharmacology	1	2 Year	5 Year
11	2014_HFWD_65918_11	Weighting Machine for Dead Bodies	Forensic medicine	1	**3 year**	5 Year
12	2014_HFWD_65918_12	Centrifuge Clinical for 12 tubes	Biochemistry(6) Community Medicine(1) Microbiology(2) Pharmacology(2)	11	2 Year	5 Year
13	2014_HFWD_65918_13	Centrifuge Electric International RPM-3000	Pharmacology	2	2 Year	5 Year
14	2014_HFWD_65918_14	Cyto Centrifuge for Haematological work	Pathology	1	2 Year	5 Year
15	2014_HFWD_65918_15	Table Top Centrifuge	Pathology	3	2 Year	5 Year
16	2014_HFWD_65918_16	Centrifuge, high speed with tachometer etc.	Physiology	1	2 Year	5 Year
17	2014_HFWD_65918_17	Refrigerated Centrifuge	Microbiology	1	2 Year	5 Year
18	2014_HFWD_65918_18	Deionizer	Pharmacology	2	2 Year	5 Year
19	2014_HFWD_65918_19	Digital Presentar	Anatomy	1	2 Year	NA
20	2014_HFWD_65918_20	Dissecting Instruments	Anatomy	50	2 Year	NA

Sl. No.	Tender ID	Name of the Item	Department	Qty	Warranty Required	CMC Required
21	2014_HFWD_65918_21	Autopsy table (Down Draft Ventilated Autopsy Table with Integral Sink)	Forensic medicine	2	**3 year**	5 Year
22	2014_HFWD_65918_22	Dissection Table - Standard	Anatomy	20	2 Year	NA
23	2014_HFWD_65918_23	Distillation Apparatus	Biochemistry(3) Forensic medicine(1) Pharmacology(8) Community Medicine(1) Pathology(1) Anatomy(2)	16	2 Year	5 Year
24	2014_HFWD_65918_24	Distilled Water Plant	Microbiology	2	2 Year	5 Year
25	2014_HFWD_65918_25	All Glass Distillation Aparatus	Biochemistry(3) Pharmacology(2)	5	2 Year	5 Year
26	2014_HFWD_65918_26	All Glass Distillation Aparatus Double Stage	Physiology	1	2 Year	5 Year
27	2014_HFWD_65918_27	All Glass Distillation Aparatus	Microbiology	1	2 Year	5 Year
28	2014_HFWD_65918_28	Micro Pipettes	Biochemistry	15	2 Year	5 Year
29	2014_HFWD_65918_29	ECG Machine	Community Medicine(2) Pharmacology(1)	2	2 Year	5 Year
30	2014_HFWD_65918_30	Agarose Gel Electrophoresis	Biochemistry	6	2 Year	5 Year
31	2014_HFWD_65918_31	ElectrophoresisSystem (Horizontal)	Microbiology	1	2 Year	5 Year
32	2014_HFWD_65918_32	Embalming Machine and Accessories	Anatomy	2	2 Year	NA
33	2014_HFWD_65918_33	Fat Extraction Apoparatur	Community Medicine	1	2 Year	5 Year
34	2014_HFWD_65918_34	Hot air oven size 14”x14”x14”	Biochemistry(4) Pharmacology(1)	5	2 Year	5 Year
35	2014_HFWD_65918_35	Hot air oven	Anatomy	1	2 Year	5 Year
36	2014_HFWD_65918_36	Hot air Sterliser	Microbiology	2	2 Year	5 Year
37	2014_HFWD_65918_37	Human Skeleton Articulated (Real Bones)	Anatomy	5	2 Year	NA
38	2014_HFWD_65918_38	Complete Human Bones set disarticulated (Real Bones)	Anatomy	25	2 Year	NA
39	2014_HFWD_65918_39	Incubator electric	Microbiology(4) Pathology(1) Anatomy(1) Pharmacology(3)	9	2 Year	5 Year
40	2014_HFWD_65918_40	Stage Incubator	Biochemistry(4) Physiology(1)	5	2 Year	5 Year
41	2014_HFWD_65918_41	Incubator, electric	Community Medicine	1	2 Year	5 Year
42	2014_HFWD_65918_42	BOD Incubator	Microbiology	2	2 Year	5 Year
43	2014_HFWD_65918_43	Instruments Sterilliser Electric size:12”x8”x6”	Pharmacology	1	2 Year	5 Year
44	2014_HFWD_65918_44	Laminar Airflow	Microbiology	1	2 Year	5 Year

Sl. No.	Tender ID	Name of the Item	Department	Qty	Warranty Required	CMC Required
45	2014_HFWD_65918_45	Binocular research microscopes	Biochemistry	2	2 Year	5 Year
46	2014_HFWD_65918_46	Binocular research microscopes for Faculty	Microbiology(2) Pathology(1) Forensic medicine(3)	6	2 Year	5 Year
47	2014_HFWD_65918_47	Microscopes, Oil immersion	Physiology	42	2 Year	5 Year
48	2014_HFWD_65918_48	Binocular Microscope (for Students)	Microbiology(55) Anatomy(60) Pathology(75) Forensic medicine(25) Biochemistry(6) Community Medicine(2) Pharmacology(4)	227	2 Year	5 Year
49	2014_HFWD_65918_49	Dissecting Microscope	Community Medicine(30) Anatomy(5)	30	2 Year	5 Year
50	2014_HFWD_65918_50	Motorised Rotary Microtome (Semi automatic)	Anatomy(2) Forensic medicine(1)	3	2 Year	5 Year
51	2014_HFWD_65918_51	Sledge and Freezing Microtome	Anatomy	1	2 Year	5 Year
52	2014_HFWD_65918_52	Paraffin Embedding System	Anatomy	1	2 Year	5 Year
53	2014_HFWD_65918_53	pH Meter	Biochemistry(1) Pathology(2) Physiology(1)	4	2 Year	NA
54	2014_HFWD_65918_54	Physiograph, 3 channels, complete with accessories	Physiology	1	2 Year	5 Year
55	2014_HFWD_65918_55	Physiograph, single channel, with accessories	Physiology	6	2 Year	5 Year
56	2014_HFWD_65918_56	Mortury Cooler/ Refrigerator for 8 bodies	Anatomy	2	2 Year	5 Year
57	2014_HFWD_65918_57	Mortury Cooler/ Refrigerator	Forensic medicine	1	2 Year	5 Year
58	2014_HFWD_65918_58	Ice Lined Refrigerator (Small)	Community Medicine	1	2 Year	5 Year
59	2014_HFWD_65918_59	Refrigerator, 9-10 cft.	Physiology	1	2 Year	5 Year
60	2014_HFWD_65918_60	Lab Refrigerators	Microbiology	3	2 Year	5 Year
61	2014_HFWD_65918_61	Lab Refrigerators	Anatomy(2) Biochemistry(4) Pharmacology(2)	8	2 Year	5 Year
62	2014_HFWD_65918_62	Deep Freezer -20 deg C	Microbiology(1) Community Medicine(1)	2	2 Year	5 Year
63	2014_HFWD_65918_63	Mortuary Deep Freezer	Forensic medicine	1	**3 year**	5 Year
64	2014_HFWD_65918_64	Spectrophotometer (UV Visible range)	Pharmacology	1	2 Year	5 Year
65	2014_HFWD_65918_65	UV Vis Spectrophotometer	Forensic medicine	1	2 Year	5 Year

Sl. No.	Tender ID	Name of the Item	Department	Qty	Warranty Required	CMC Required
66	2014_HFWD_65918_66	Spectrophotometer	Biochemistry	1	2 Year	5 Year
67	2014_HFWD_65918_67	Van Slyko's apparatus manometric	Physiology	2	2 Year	5 Year
68	2014_HFWD_65918_68	Water Bath	Pharmacology(12) Biochemistry(6) Microbiology(1) Pathology(2) Pharmacology(10)	31	2 Year	5 Year
69	2014_HFWD_65918_69	Water Bath Serological	Biochemistry(4) Pharmacology(1)	5	2 Year	5 Year

Part II: Required Delivery Schedule:

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.

Part III: Scope of Incidental Services:

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

Part IV:

Deleted.

Part V:

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance and shall remain in force for a period as specified in part I above or 6 months beyond the aforesaid period from the last date of shipment/dispatch, whichever is earlier.

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

Part VI:

Required Terms of Delivery and Destination.

At Consignee Store.

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

Destination/Consignee details are given in Section XXI

Section – VII
Technical Specification

Sl. No. 1
AUTOMATED ANALYZER

1 Description of Function

1.1	For analysis of serum, plasma, urine, cerebrospinal fluid (CSF), hemolysate and whole blood.

2 Operational Requirements

2.1	Should be open system and fully computerized with random access, selective multi-batch type, providing maximum flexibility in programming
2.2	Should be capable of undertaking 160-200 tests/hr involving fixed time, end point and kinetic chemistry

3 Technical Specifications

3.1 Optical Requirement
Wavelength Range: 340 to 700nm
Absorbance: 0.000 to 3.000A
Resolution: 0.0001A or better
Measurement: Monochromatic & Biochromatic options.
Flow cell volume: approx. 50µl
Source of light: Halogen lamp

3.2 Reagent Handling System:
Pre and Post dilution: Automatic
Aspiration volume: 5-1000µl in 0-0.5µl increments
Wash Cycles: Programmable for aspiration and sampling probes

3.3 Analytical Requirements:
Sample Tray/reaction plate: >50 positions for samples/ standards/controls
Sample cups: 0.5-1ml
Reaction types: End point, kinetic- differential and initial
rate bichromatic, with & without blank correction
Test Parameters: 50 or more, all programmable as per user requirement.
Incubation Temp: 37ºC preferably with variable temperature options
Cuvette Temp: 37ºC +0.1ºC
Quality control: Daily and monthly QC, S.D., C.V.
Calculated and precision check facility

3.4 Date Processor: Pentium computer with instrument operating and data management software,windows NT Operating Software ,min 10 GB hard disk, CD-ROM, 17" colored monitor, Laser printer. Storage of 10,000 patients data.

3.5 Inbuilt printer thermal type with 40 characters/line or better

3.6 Software :Patient oriented, user friendly and test oriented.

4 System Configuration Accessories, spares and consumables

4.1	Biochemistry Analyser-01
4.2	Integrated Printer and computer as specified above-01

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

6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz
6.2	Suitable Servo controlled Stabilizer/CVT
6.3	UPS of suitable rating shall be supplied for minimum 1 hour backup for the entire system

7 Standards, Safety and Training

7.1	Certified for meeting IEC 60601-1-4 Medical electrical equipment - Part 1-4: General requirements for safety - Collateral Standard: Programmable electrical medical systems
7.2	Attach original manufacturer’s product catalogue and specification sheet. Photocopy/ computer print will not be accepted. All technical data to be supported with original product data sheet. Please quote page number on compliance sheet as well as on technical bid corresponding to technical specifications.
7.3	Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
7.4	Should be FDA or CE approved product

8 Documentation

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

Sl. No. 2

TISSUE PROCESSOR- AUTOMATIC

1 Description of Function

1.1 Tissues from the body taken for diagnosis of disease processes are processed by the tissue processor in the histology laboratory to produce microscopic slides that are viewed under the microscope by pathologists.

2 Operational Requirements

2.1 Latest Model Fully automatic system with all accessories is required with vacuum.

2.2 Computer controlled flow through tissue processor to automatically perform fixation, dehydration, cleaning, and paraffin impregnation of tissue.

3 Technical Specifications

3.1 Capacity (a) 100-200 cassettes in organized basket

3.2 Reagent stations – Number of vessels: 10 (1.8- 2 litres each) metal

3.3 Paraffin stations– Number: 3 (1.8- 2 litres each)
– Temperature setting range: 35 - 70°C
– Over temperature release: 75°C > (± 5°C)

3.4 Following programs should be available:
– Number of programs: 10-12 (selectable)
– Programmable time per station: From 1 minute to 100 hours
– Spiral agitation, Vertical agitation, and gentle spinning should be programmable.
– Program can be delayed start or finished upto 5-7 days in advance.
-3 Flush options

3.5 Fume extraction system, with active charcoal filter.

3.6 Should be an open system capable of using all consumables from open markets.

3.7 Display of time, date, cycles, step by step record of processing.

3.8 Automatic in process reagent and wax rotation facility.

3.9 Error display facility should be available.

3.1 Remote alarm to signal possible problems and reagent change etc.

3.11 Reagent change based on specific gravity of the first alcohol.

3.12 Clear door/lid for viewing specimens during processing.

3.13 Power back up with facility for the basket to remain immersed in solution during power failure.

4 System Configuration Accessories, spares and consumables

4.1 Equipment should be complete in all aspects along with all accessories.

4.2 Equipment should be working from day one of installation.

4.3 Start-up consumables should be provided.

a. 12,000 cassettes with lids.
b. 12,000 wax moulds
c. Extra beakers - 02 nos.
d. Tissue baskets - 02 nos.

5 Environmental factors

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

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

6 Power Supply

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

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

7 Standards and Safety

7.1 Should be US FDA or European CE or BIS approved product

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

8 Documentation

8.1 Certificate of calibration and inspection from factory.

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

8.3 User/Technical/Maintenance manuals to be supplied

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

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

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

8.7 List of installations, List of user feedback and performance certificates to be provided

Sl. No. 3

ELISA READER AND WASHER

1. Should have reading capability of 1 to 96 wells individually.
2. Should have a linear measurement range of 0 to 3.000Abs.
3. Should have wavelength range from 340 to 750nm.
4. Should have a photometric accuracy of ± 2% or better.
5. Should have a resolution of 0.001Abs.
6. Should have variable speed plate shaking capability.
7. Should have easy access 8 position filter wheel
8. Machine should be supplied with at least 6 standard filters.
9. Should have automatic filter selection.
10. Should have automatic calibration before each reading.
11. Should have at least 6 second reading speed.
12. Should have facility for storage of calibration curves.
13. Should have different types of blanking facility like air wise and well wise.
14. Should be capable of reading U.V and flat type wells

15. Should be capable of reading 8 or 12 well strip plates.
16. Should use halogen light source and two spare bulbs should be provided.
17. Should have internal thermal printer and 5 rolls of thermal should be supplied along with the unit.
18. Should have external printer connectivity option.
19. Firm will have to supply compatible UPS with minimum half hr backup along with the equipment free of cost.
20. Original literature of equipment and consumables should be submitted.
21. User's list should be attached with satisfactory report for the last three years from three blood bank users with contact details.
22. Demonstration of performance of equipment is compulsory in nearby area for technical evaluation failing to which will be a disqualification.
23. System should USFDA or European CEapproved. Also the system should be IVD approved
24. Electrical: The equipment should be able to run on the existing electrical provision
25. B) ELISA Plate Washer
26. Should have capability to wash flat, U or V bottomed micro plates or 8 or 12 well strip plates.
27. Should have 8 or 12 way manifold
28. Should have programmable washing time, volume and soaking time.
29. Should have minimum 6 wash cycles.
30. Should have continuous operating cycle.
31. Should have residual volume less than 2µl.
32. Should have removable and autoclavable plate carrier.
33. Should have in-built vacuum and dispensing pumps to ensure accurate and quite washing.
34. Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment
35. Should work with input 200 to 240Vac 50 Hz supply.
36. Should be European CE or US FDA or BIS approved product.
37. Firm will have to supply compatible UPS with minimum half hr backup along with the equipment free of cost.
38. Original literature of equipment and consumables should be submitted.

39. User‟s list should be attached with satisfactory report for the last three years from three blood bank users with contact details.

40. Demonstration of performance of equipment is compulsory in nearby area for technical evaluation failing to which will be a disqualification.

41. Electrical: The equipment should be able to run on the existing electrical provision

Sl. No. 4

AUTOCLAVE ELECTRIC (VERTICAL)

1. Automatic adjustable working pressure system.
2. Double walled.
3. Inside boiler made of stainless steel & outside mild steel finished in cream enamel.
4. Radial locking system lid.
5. The panel is provided with on/off switch, pressure gauge, steam release valve & indicators to show the working of mains & pressure control system.
6. Electrically operated on 220V A/C with stainless steel basket.
7. Operating temperature 121^0C
8. Digital Temperature controller with inbuilt timer that will cut off the heaters automatically after lapse of pre set time at the pre set temperature.
9. Microprocessor based PID controller.
10. Capacity approx 100 ltrs
11. Should be FDA or CE or BIS approved product

Sl. No. 5

AUTOCLAVE (VERTICAL)

1. Automatic adjustable working pressure system.
2. Double walled.
3. Inside boiler made of stainless steel & outside mild steel finished in cream enamel.
4. Radial locking system lid.
5. The panel is provided with on/off switch, pressure gauge, steam release valve & indicators to show the working of mains & pressure control system.
6. Electrically operated on 220V A/C with stainless steel basket.
7. Operating temperature 121^0 C

8. Capacity approx 100 ltrs

9. Should be FDA or CE or BIS approved product

Sl. No. 6

BALANCE ANALYTICAL (BALANCE OPEN PAN)

1 Description of Function

1.1 Electronic Balance is required for precision weighing of Lab samples.

2 Operational Requirements

2.1 Microprocessor based single pan Analytical Balance with High accuracy & precision is required.
2.2 Reading of the weight by digital display.
2.3 Electronic top loading balances with transparent case
2.4 The balance should have functions of piece counting, percent weighing, formulation, dynamic weighing with automatic and manual start and provision for data interface

3 Technical Specifications

3.1 Weigh accurately up to 3rd decimal place of one gm.
3.2 Fully automatic Time and temperature controlled internal calibration and balance should be capable to adjust itself.
3.3 Auto zero Setting
3.5 Weighing capacity 210 gm
3.6 Readability: 0.001g
3.7 Repeatability: 0.9mg
3.8 Settling time 1.5 second
3.9 Suitable internal and external adjustment weights.
3.10 Pace-setting interfacing flexibility - Port should be available for data capture and network integration
3.11 Balance should have the following features:-
 Touch Screen Colored Display.
 Stainless Steel Large Square weighing Pan
 IR Sensors for hands-free operation for personnel security and automatic draft shield opening and closing
 Warns if the balance is not correctly levelled to ensure the accuracy of results.
 Automatic and detachable draft shield
 Detachable and adjustable Terminal
Toolbox, including user administration and password protection.
 Integrated automatic safety functions for external routine operations.
 Alphanumeric data entry of 4 ID's

4 System Configuration Accessories, spares and consumables

4.1 System as specified-
4.2 Should be supplied with standard external and internal weights as specified.

5 Environmental factors

5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.3 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

6 Power Supply

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Resettable overcurrent breaker shall be fitted for protection

7 Standards, Safety and Training

7.1 should comply with ISO/GLP with auto validation with ink jet printer
7.2 Should be FDA or CE or BIS approved product
7.3 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
7.4 Manufacturer/Supplier should have ISO certificationfor quality standards.

Sl. No. 7

BALANCE ELECTRONIC 1.0 mg-Accuracy (BALANCE SEMI MICRO)

1 Description of Function

1.1 Electronic Balance is required for precision weighing of Lab samples.

2 Operational Requirements

2.1 Microprocessor based single pan Analytical Balance with High accuracy & precision is required.
2.2 Reading of the weight by digital display.
2.3 Electronic top loading balances with transparent case
2.4 The balance should have functions of piece counting, percent weighing, and formulation, dynamic weighing with automatic and manual start and' provision for data interface

3 Technical Specifications

3.1 Weigh accurately up to 3rd decimal place of one gm.
3.2 Fully automatic Time and temperature controlled internal calibration and balance should be capable to adjust itself.
3.3 Auto zero Setting
3.5 Weighing capacity 210 gm
3.6 Readability: 0.001g
3.7 Repeatability: 0.09mg
3.8 Settling time 1.5 second
3.9 Suitable internal and external adjustment weights.
3.10 Pace-setting interfacing flexibility - including Ethernet, Bluetooth (wireless connection) and PS/2 -for efficient data capture and easy network integration.
3.11 Balance should have the following features:-
 Touch Screen Colored Display.
Stainless Steel Large Square weighing Pan
 IR Sensors for hands-free operation for personnel security and automatic draft shieldopening and closing.
 Warns if the balance is not correctly levelled to ensure the accuracy of results.
 Automatic and detachable draft shield
 Detachable and adjustable Terminal
 QM-Toolbox, including user administration and password protection
 Integrated automatic safety functions for external routine operations.
 Alphanumeric data entry of 4 ID's

4 System Configuration Accessories, spares and consumables

4.1 System as specified-
4.2 Should be supplied with standard external and internal weights as specified.

5 Environmental factors

5.1 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C andrelative humidity of 15-90%
5.3 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidityof less than 70%

6 Power Supply

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

6.2 Resettable overcurrent breaker shall be fitted for protection

7 Standards, Safety and Training

7.1 should comply with ISO/GLP with auto validation with ink jet printer

7.2 Should be FDA or CE or BIS approved product

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

7.4 Manufacturer/Supplier should have ISO certification for quality standards.

Sl. No. 8

ANALYTICAL BALANCE (CHEMICAL)

Description of Function

a. Electronic Balance is required for precision weighing of Lab samples.

Operational Requirements

b. Microprocessor based single pan Analytical Balance with High accuracy & precision is required.

c. Reading of the weight by digital display.

d. Electronic top loading balance with transparent case

Technical Specifications

e. Weigh accurately up to 3rd decimal place

f. Auto zero Setting

g. Weighing capacity up to 200g

h. Readability 0.001g

i. Repeatability 1mg or less

j. Setting time 1.5 second

k. Suitable for internal and external adjustment weights

l. Balance should have:

m. Liquid Crystal Display (LCD) for display

n. warns if balance is not correctly leveled

Environmental factors

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

p. Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

Power Supply

q. Power input to be 220-240VAC, 50Hz.

Standards and Safety

r. System should be US FDA or European CE or BIS approved.

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

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

Sl. No. 9

BALANCE ELECTRONIC 0.1 mg-Accuracy (BALANCE MICRO)

1 Description of Function

1.1 Electronic Balance is required for precision weighing of Lab samples.

2 Operational Requirements

2.1 Microprocessor based single pan Analytical Balance with High accuracy & precision is required.
2.2 Reading of the weight by digital display.
2.3 Electronic top loading balances with transparent case
2.4 The balance should have functions of piece counting, percent weighing, formulation,
Dynamic weighing with automatic and manual start and' provision for data interface

3 Technical Specifications

3.1 Weigh accurately up to 4th decimal place of one gm.
3.2 Auto self-calibration facility
3.3 Auto zero Setting
3.4 One touch calibration
3.5 Weighing capacity upto 200 gms.
3.6 Repeatability and resolution: 0.1 mg
3.7 Linearity: + 0.2mg
3.8 Stabilization time < 5 second
3.9 Adjustment weight (Int. wt.) 200g
3.10 Adjustment weight (Ex. Wt.): 500 mg, 1 gm, 10gm, 50gm, 100 gm, 200gm
3.11 Balance should have the following features:-
 Touch Screen Colored Display.
Stainless Steel Large Square weighing Pan
IR Sensors for hands-free operation for personnel security and automatic draft shield opening and closing
 Warns if the balance is not correctly levelled to ensure the accuracy of results.
 Automatic and detachable draft shield
Detachable and adjustable Terminal
QM-Toolbox, including user administration and password protection
Integrated automatic safety functions for external routine operations.
Alphanumeric data entry of 4 ID's

4 System Configuration Accessories, spares and consumables

4.1 System as specified
4.2 Should be supplied with standard external and internal weights as specified.

5 Environmental factors

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

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

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

6 Power Supply

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

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

6.3 Resettable overcurrent breaker shall be fitted for protection

7 Standards, Safety and Training

7.1 should comply with ISO/GLP with auto validation with ink jet printer

7.2 Should be FDA or CE or UL or BIS approved product

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

7.4 Manufacturer/Supplier should have ISO certification for quality standards.

Sl. No. 10

BALANCE SEMI MICRO ANALYTICAL PAN MOTTLER

1. Readability of minimum 0.1 mg
2. Capacity of maximum 180-200 gm
3. Linearity ± 0.2 mg
4. Repeatability 0.1 mg
5. Operating temperature 0- 45 deg C
6. Pan Size (diameter) ≥ 80mm
7. Response time of 1-2 Seconds
8. Internal Calibration
9. Backlit LCD display
10. Glass shield cabinet
11. Power supply 220 V AC +/- 10% 50 Hz
12. Should be CE or FDA or BIS approved product

Sl. No. 11

WEIGHING MACHINE FOR DEAD BODIES

1. Technical specifications:

a. Length of floor scale should be 4 feet to 6 feet.

b. Platform for keeping the body – should be sturdy, made of stainless steel, 14 gauge – size 6 feet x 2 ½ feet x 4 inch.

c. Should have a digital meter (dial) to display the weight rapidly and measurements can be calibrated to adjust the weight of the platform.

d. The digital meter (dial) should be enclosed dust proof and water tight stainless steel enclosure mounted on a wall. AC or DC operated.

e. Should be able to perform under the most rigorous conditions of a mortuary conducting 15 post-mortem examinations per day measuring dead body weight ranging from 0 kg to 200 kg. Accuracy upto 25 grams.

f. Rechargeable battery back-up pack provided for usage in power failure.

2. System configuration accessories, spares and consumables:

None

3. Environmental factors:

None.

4. Standards, safety and Training:

a. Should be CE or BIS approved product.

b. Manufacturer should have ISO certification for quality standards.

5. Documentation:

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

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

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

d. Certificate of calibration and inspection.

6. A 3 years guarantee & 5 years warranty.

Sl. No. 12

CENTRIFUGE CLINICAL FOR 12 TUBES

1 **Description of Function**

1.1 Centrifuges are required in the Laboratory to separate various components of Blood and any other liquid sample for analysis

2 **Operational Requirements**

2.1 Aerodynamic compact construction for vibration free performance

2.2 Table top version

3Technical Specifications

3.1 Tube Capacity :No. 24 – 36 :Size 5 – 15 ml

3.2 Should have a digital timer

3.3 Body should be made of strong fabricated & corrosion resistant steel

3.4 Control panel – for start/stop switch, dynamic brakes, step less speed regulator with zero start switch & speed indicator with timer and protective fuses.

3.5 Door interlock

3.6 Maintenance-free brushless drive motor with exact speed preselection and display. Speed range 100 to 6000 rpm and above, accuracy 1 rpm.

3.7 RPM : Up to 6500-7000

4System Configuration Accessories, spares and consumables

4.1 Centrifuge complete with Swig and basic rotors and four buckets- 01 set.

4.2 Tube Holders as appropriate

5 Environmental factors

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

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

6 Power Supply

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

6.2 Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.(Input 160- 260 V and output 220-240 V and 50 Hz)

7 Standards, Safety and Training

7.1 The supplier should be ISO certified for quality standards.

7.2 Should be FDA or CE or UL or BIS approved product

Sl. No. 13

CENTRIFUGE ELECTRIC INTERNATIONAL RPM 3000 (Imported)

Should accommodate Max.Volume of 180 ml (12 x 15ml).
Should have an maximum speed of 3,000 rpm
Should have an Max. RCF 3,000 x g
Should have an LCD or LED display for displaying the parameters
Should have a Timer programmable from 0 to 30 minutes or continuous mode
Should have alarm facility
Rotor swing angle
Power supply – 220V 50Hz
Should be FDA or CE or approved product

Sl. No. 14

CYTO CENTRIFUGE FOR HAEMATOLOGICAL WORK

1 Description of Function

1.1 A cytocentrifuge, which operates at a speed of between 200 and 2,000 rpms, forces the cells from a suspension onto a microscope slide as a blotter simultaneously absorbs the suspension medium. Cytoevaluation is evaluation under microscope.

2 Operational Requirements

2.1 Latest Model Centrifuge for separation of cells found in body fluids.
Cells are directly attached in a monolayer to a microscope slide by means of centrifugal force and a slide and funnel device.

2.2 System made for minimum cell loss

2.3 Fully automatic with digital display and alarm system.

3 Technical Specifications

3.1 Programmable range of speed for different types of fluids. (approx. up to 2000-3000 RPM)

3.2 Running time: 1-99 min.

3.3 Number of specimen- 10-12 in one cycle.

3.4 Memory to store 20 preset procedures.

3.5 There should be a membrane keypad with LCD/LED Display of Time, Speed and program protocols.

3.6 Audiovisual alarm for out of balance, outside speed tolerance or if the lid is not properly locked. The system will not run if the lid is not locked properly.

3.7 Autoclavable rotor.

3.8 Sturdy cytoclips.

3.9 Autoclable fluid chambers / cyto fennels

4 System Configuration Accessories, spares and consumables

4.1 System as specified along with each case consisting of
(1 case each) consisting of
1 ml fluid chamber – 1
1 ml filter paper –1
1ml base holder – 1
1 ml chamber cap- 1
6 ml fluid chamber-1
6ml gasket –1
6/12 ml base holder –1

6/12 ml chamber cap-1
12 ml fluid chamber –1
12ml gasket –1

4.2 All standard Accessories 5 Set/Cases Extra to be given free of cost.

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

5 Environmental factors

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

5.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

6 Power Supply

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

6.2 Stabilizer of suitable rating shall be supplied the system

7 Standards and Safety

7.1 Should be US FDA or European CE or BIS approved product

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

8 Documentation

8.1 Certificate of calibration and inspection from factory.

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

8.3 User/Technical/Maintenance manuals to be supplied

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

8.5 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
List of important spare parts and accessories with their part number and cost.
List of installations, List of user feedback and performance certificates to be provided.

8.6 Certificate of calibration and inspection from factory.

8.7 List of installations, List of user feedback and performance certificates to be provided.

Sl. No. 15

TABLE TOP CENTRIFUGE

Operational Requirements Microprocessor based tabletop centrifuge that use brushless induction motor with frequency drive enabling the user to pre-set speed & time with a high degree of accuracy. Display of set parameters like speed, time etc. make the unit an ideal choice for repetitive sample analysis.

Features

- Brushless Induction motor with frequency drive
- Stable speed output even under unstable voltage conditions
- 7 segment LED display of speed (R-8C BL)
- Digital countdown timer
- Safety lid interlock to prevent lid opening during centrifugation
- Dynamic brake for quick deceleration
- Imbalance & Inverter fault detection with auto shutdown

• Recall of last set parameters. (Useful for repetitive analysis)

Technical specifications

• Max. Speed: 5250 rpm
• Max. RCF: 3600 g
• Swing out Rotor heads for running 8 x 15 ml tubes

Power Requirements:

• Suitable for input power of 220-240V AC, 50 Hz, fitted with suitable plug for Indian conditions
• Resettable over current breaker

Standards, Safety and Training

• Should be FDA/ CE/ UL/ BIS approved product.
• The manufacturer/supplier has to provide adequate training in operation and maintenance of the equipment at the site of installation.

Sl. No. 16

CENTRIFUGE, HIGH SPEED WITH TACHOMETER ETC.

Laboratory equipment centrifuge machine high speed – heavy duty Sturdy MS Body, well painted finish,
with maximum speed of 6000RPM at 10/12 tube of 15ml total square body, with lid lock manual type,
speed control by analogue know, digital display of timer, timer time 0-60 minutes speed display is digital,
speed setting with help of knob, auto off if lid is open, lid breaking system provided, power consumption
500Watt, power requirement 220V and 50 to 60Hz,
Demonstration of the product is must
Equipments should be IEC/CE/ISO approved

Sl. No. 17

REFRIGERATED CENTRIFUGE

1. Max speed: Atleast 12,000 rpm or above
2. Temperature: -10 to $+40^0$ C, CFC free refrigeration
3. Single knob operation
4. Maintenance free, noiseless, brushless induction motor drive.
5. Pre-selection of run parameters in terms of rpm and rcf
6. Acceleration and deceleration curves – 9 each
7. Storing of at least 5-10 run protocols
8. Free programming of all parameters
9. Self diagnostic error messages and alarms
10. Electronic automatic rotor identification & imbalance sensor.
11. Motorized lid lock and inter lock

12. Operates on 230V/50 Hz

13. Angle rotor 10 x 10 ml

14. Angle rotor 24 x 2.0/1.5ml

15. Angle rotor 6 x 50ml. (Falcon)

16. Adapter for 1 x 15 ml culture tubes (set of 2) & adapter. 0.2/0.5/0.8 ml eppendorf tubes

17. Swing out rotor 4 plates with MTP.

18. Should be US FDA or European CE or BIS approved product.

Sl. No. 18

DEIONIZER-TWO OF CAPACITY 20 LTS PER HOUR AND 6 LTR PER HOUR (MIXED BED TYPE) CONNECTED IN SERIES

A. Ultra pure Water System: - Water quality required for Molecular biology, Tissue culture/HPLC applications. The system should contain pre filtration unit, Type 2 RO filtration equipment, Reservoir 50L and Type 1 filtration equipment.
B. Pre filter Unit:
1. Regenerable pretreatment unit for removing hardness, iron, manganese, organics and coarse particles.
2. Motor and booster pump for feed pressure.
3. R O grade water system
4. Prefilter with anti scaling and activated carbon reverse osmosis
5. Conductivity cell after RO membrane to check health of RO membrane..
6. Feed water handling of conductivity up to 2000microns/cm.
C. TYPE 2 RO Stage Water Quality:
1. Flow rate: 15-20L/hr (1 no) & 6-8 lit/hr (another 1 no)
2. Organic ion removal up to 99%
3. Resistivity: 5-15 cm.,
4. TOC < 30 ppb,
5. Colloidal index SDI < 3
6. Feed water pressure bar: 0 -5
7. Reservoir of 50 L capacity.
8. Electrical feed voltage 90 – 230V ± 10%
9. One pair of extra cartridge.
D. Ultra pure water machine producing water of the following quality:
1. Output/flow rate up to: 1.5 to 2 litre/min.
2. Conductivity of 0.055 microns/cm
3. Resistivity of 18.2 mega ohm. Cm
4. Bacteria cfu/ml < 1
5. Particles :<1/ml
6. TOC:< 5 ppb
7. Endo toxin: < 0.001EU/ml
E. Should be FDA or CE or BIS approved product

Sl. No. 19

DIGITAL PRESENTER

Output:

Progressive display without any flickering progressing CCD and VGA / HDMI signal output, USB Input: VGA input, mouse port PS2, Large shooting area upto A3 size or more

Optics:

- Rotating camera head
- CCF Lamp with
- Zooming 10 X or more Optical zoom and Minimal 4 X Digital zoom
- Supporting backlight to display X ray

Facility to save images

Compact and Light weight

Sl. No. 20

DISSECTING INSTRUMENTS

1	**Technical Specifications**
1.1	Student Anatomy Dissecting Kit
1.2	Should contain most widely used instruments of high quality.
2	**Dissection Kit contents**:
2.1	· Scalpel with screw lock blade
2.2	· Narrow blade scalpel 1.5" blade
2.3	· Forceps 4.5"
2.4	· Forceps 4.5" with curved, fine points
2.5	· Dissecting scissors, Iris 4.5"
2.6	· Probe and hook chrome
2.7	· Dissecting scissors with one point sharp & one point blunt 5.5"
2.8	· Teasing needle straight
2.9	· Teasing needle bent
2.10	· Ruler 6" and 12" (SS)
2.11	· Dissecting chain and hook chrome
3	Bone cutter
4	Wheel barrow
5	Trays (steel)

a) 2 feet X 3 feet, 10 numbers

b) 1 feet X 1 feet, 10 numbers

6	Retractors for abdomen dissection
7	Probes
8	Instruments trolley

Sl. No. 21

AUTOPSY TABLE (DOWN DRAFT VENTILATED AUTOPSY TABLE WITH INTEGRAL SINK)

I. Technical Specifications:

1. Table top

Stainless steel, Type 304, Satin Finish

Should have dissecting area and sink

2. Dissecting Area
Should have removable Grid Plates **recessed ½" and are supported by tables edge. Four independent grid plates, perforated & removable**
3. Sink
Plumbing should be factory finished
Should have Hydro-aspirator with reverse flow features and
Should have hot / cold water fixtures with wrist blade handles and gooseneck
4. Vacuum Breaker
5. Faucets
Should have sink rinse with hose fittings and hose hanger
6. Table Pedestal
Stainless steel, Type 304, satin finish; **18 gauze**
Pedestal type
7. Ventilation
Down draft ventilation system **to help ventilate the body during autopsy.**
8. Electrical receptacles
GFCI Type 220 – 240 volts AC 50 Hz **with 20 meter wire.**
9. Disposer Unit
Should have Solenoid valve, vacuum breaker with off / on switch control and internal overload protector
½ to ¾ HP motor
10. Dimensions:
Length : (250 – 270) cm
Width : (75 – 85) cm
Height : (80 – 90) cm min and (95 – 100) cm max
11. Polyurethane Head Rest: Must be able to support neck while dissection
12. Stainless steel Centimetre Scale: Must be engraved type.
13. Scale Support Socket: Must be able to hold the scale support bar steadily.
14. Scale support Bar: Must be able to hold the dial type weighing scale.
15.Weighing Scale with pan: Dial Type: Must measure upto 5 kg.
16. Polyurethane Dissecting Board: 2 feet x 1 ½ feet x ¾ inch, grained surface, white.
17. Elevation Range: 10 – 15 cm
II. System configuration accessories, Spares and Consumables:
None
III. Environmental factors:
Environmental factors: Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirements of safety for Electromagnetic Compatibility or should comply with 89/366/ECC; EMC-Directive.
The unit shall be capable of operating continuously in ambient temperature of 20-30 deg C and relative humidity of 15- 90 %
The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15 – 90 %
IV. Power Supply:
Power input to be 220 – 240 VAC, 50 Hz fitted with Indian plug. **With 20 meter wire.**
V. Standards, Safety and Training:
Should be European CE or US FDA approved product.
Manufacturer should have ISO certification for quality standards
VI. Documentation:
User / Technical / Maintenance manuals to be supplied in English.
List of important spare parts and accessories with their part number and costing
VII 3 years warranty

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

Sl. No. 22

DISSECTION TABLE – STANDARD

1 Technical Specification
1.1 Approximate Dimension:-6'1" X 2' X 3'
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 Tabletop depth should be of approx. 15mm sloping towards the drain.
1.6 10 litre removable container with bayonet lock, mounted beneath the down spout, should be attached to a rack in the base frame.
1.7 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)
1.8 - 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 lithotomic strapping.

Sl. No. 23

DISTILLATION APPARATUS

Application: General laboratory purpose water distillation plant
Specification:

1. The complete outer and inner jacket, condenser tubes are made of Stainless steel.
2. The apparatus capable of producing pyrogen free distilled water as per IP/BP standards.
3. The instrument should have low water cut off device, water level indicator and control panel.
4. Capacity : 5-6 ltrs/hr
5. Chamber -: Stainless Steel 304 quality
6. Air Heater: should have ISI Mark
7. Heat up Time: 20- 30 min. from Ambient
8. Mounting: Clamp for wall mounting
9. Top Lid: Stainless Steel
10. It should have BIS or CE or ISO certified

Sl. No. 24

DISTILLED WATER PLANT

Application: General laboratory purpose water distillation plant

Specification:

1. The complete outer and inner jacket, condenser tubes are made of Stainless steel.
2. The apparatus capable of producing pyrogen free distilled water as per IP/BP standards.
3. The instrument should have low water cut off device, water level indicator and control panel.
4. Capacity : 5-6 ltrs/hr
5. Chamber -: Stainless Steel 304 quality
6. Air Heater: should have ISI Mark
7. Heat up Time: 20- 30 min. from Ambient
8. Mounting: Clamp for wall mounting
9. It should have BIS or CE or ISO certified

Sl. No. 25

ALL GLASS DISTILLATION APPARATUS

Technical specifications:

1. The glassware should be made of high quality borosilicate glass to withstand high heat.
2. Apparatus capacity should be of 4 litres/Hr.
3. Should be double stage.
4. Should have metallic stand and other accessories.
5. Stand should be made of rust free material.
6. Standards heating elements of 2.5-3KW to be used.
7. An automatic cut off device should be attached.
8. Heater should be of quartz for immediate output of distilled water. Apparatus should consist of high quality Borosilicate Boiler with built in water leveller.
9. Output water should be pyrogen-free with conductivity less than 1 micro siemen, ph 6.9-7, distillate temp 65-75 deg C.
10. Automatic cut off device or safety control module.
11. Power input to be 220-240 VAC, 50 Hz.
12. Manufacturer should have ISO or CE certification for quality standards.

Sl. No. 26

ALL GLASS DISTILLATION APPARATUS DOUBLE STAGE

Application: General laboratory purpose water distillation plant
Specification:

1. The complete outer and inner jacket, condenser tubes are made of Stainless steel.
2. The apparatus capable of producing pyrogen free distilled water as per IP/BP standards.
3. The instrument should have low water cut off device, water level indicator and control panel.
4. Capacity : 5-6 ltrs/hr
5. Chamber -: Stainless Steel 304 quality
6. Air Heater: should have ISI Mark
7. Heat up Time: 20- 30 min. from Ambient
8. Mounting: Clamp for wall mounting
9. Top Lid: Stainless Steel
10. It should have BIS/CE/ISO/US FDA certified
11. Demonstration of the equipment is must

Sl. No. 27

ALL GLASS DISTILLATION APPARATUS

1. The glassware should be made of high quality borosilicate glass to withstand high heat.
2. Apparatus capacity should be of 4 litres/Hr.
3. Should be double stage.
4. Should have metallic stand and other accessories.
5. Stand should be made of rust free material.
6. Standards heating elements of 2.5-3KW to be used.
7. An automatic cut off device should be attached.
8. Heater should be of quartz for immediate output of distilled water. Apparatus should consist of high quality Borosilicate Boiler with built in water leveller.
9. Power input to be 220-240 VAC, 50 Hz.
10. Manufacturer should have ISO or CE certification for quality standards.

Sl. No. 28

MICRO PIPETTES{samplers (autopipettes) different volume range}

SINGLE CHANNEL PIPETTES

 Spring Loaded Tip Cone for connecting tips very tightly
 Adjustment opening for adjusting pipettes to a specific liquid and volume.
 Control Button with very low operating force, Color indication for pipette volume.
 Tip ejector with very low operating force, positioned for perfect ergonomics.
 Volume Display: 4 Digits with magnifier.
 To provide thermal, mechanical and chemical stability piston should manufactured with the combination of Fortron and PEEK material
 Very easy removable lower part for cleaning pipette
 Fully Autoclavable
 No discoloration upon UV irradiation
 2 Years Warranty

ACCURACY- + 1%
REPRODUCIBILITY - 1% - 0.5%
Volume range
a. Micropipettes 0.1 to 2.5ul Variability 0.1µl increment
b. Micropipettes 0.5 to 10ul Variability 0.1µl increment
c. Micropipettes 2 to 20ul Variability 1µl increment
d. Micropipettes 20 - 200ul Variability 1µl increment
e. Micropipettes 100-1000ul Variability 1µl increment
f. Micropipettes 0.1 to 10ml. Variability 1ml increment
e. Multi channel micropipettes 20ul
f. Multi channel Micropipettes 200ul

MULTI CHANNEL PIPETTES

 Light weight electronic Pipette for high Professional Standards that provide optimal support in work
 Only one multi function rocker for liquid aspiration & dispensing.
 To provide thermal, mechanical and chemical stability piston should manufactured with the combination of Fortron and PEEK material
 Piston should automatically return Zero position when tip is ejected.
 Should have in built help menu.
 Spring loaded tip cone that provide maximum tightness with minimal attachment force.
 Pipette should have a counter for counting the pipetting action
 Pipette should have Li-Polymer battery that provides long service life without charging (maximum of 8 hours without charging)
 Provision to adjust pipette for Altitute above sea level from 0 – 5000 m, 75% Ethanol and 50% Glycerol
 Pipette should work continues while charging.
 Parameters should be in the same position regardless of the mode
 Provision to autoclave the lower parts
 Should have provision for removing individual channels (in Multichannel Pipette) to adjust the distance between channels.
 Provision for electronic labeling to prevent an accidental exchange or loss

Should have adjustable volume range from 15 -300ul
"Should have adjustable volume range from 0.5 - 10ul4 set"
Should have Documentation Certificate of calibration and inspection from factory.
8 Channel pipettes

Sl. No. 29
ECG MACHINE

1. Twelve channel LCD display for all 12 leads along with on screen details.
2. Recording for 12 channels (3 leads and one user selectable any lead as Rhythm lead).
3. Recording speed selection of 5, 10, 25 & 50 mm/sec.
4. Sensitivity of 2.5,5,10,20 mm /mV. It should also have AGC (Automatic Gain Control)
5. Facility to enter patient information (Name, Age. Sex, Height, Weight, blood pressure, doctor"s name, Hospital's name which get updated in system and is recorded on the recorder A4 paper
6. Patient memory function, up to 100 patients.
7. Waveforms can be recorded.
8. Interpretation software.
9. Mains and in built rechargeable Lithium battery.
10. Equipment should be European CE or US FDA approved

Sl. No. 30
AGAROSE GEL ELECTROPHORESIS

1. Gel electrophoresis system (Horizontal) with power pack
2. Horizontal agarose gel electrophoresis apparatus with transparent lead.
3. Buffer tank with platinum electrodes
4. Capacity to run gel with at least 10 samples
5. Gel trays should be UV transparent
6. Power pack – max, voltage (300 V), max current (500 mA), Constant current (available) and constant voltage (available) and at least two outputs
7. Accessories
8. Gel trays, Combs etc
9. Should be FDA or CE or BIS approved product

UV transilluminator for visualing DNA / RNA band

Sl. No. 31
ELECTROPHORESIS SYSTEM (HORIZONTAL)

Description of Function

1. Of the various types of electrophoresis, Other types, protein (or vertical) electrophoresis, utilizes apparatus for analyzing DNA, RNA and Proteins.

Operational Requirements

2. Complete system for rapid electrophoresis of proteins & nucleic acids

Technical Specifications

Horizontal Gel Apparatus

3. Gel tanks sizes 8x11 inches (midi gel apparatus) and 3x 6 inches (mini gel apparatus) with platinum electrodes and dams.
4. Complete Gel casting system for casting multiple gels
5. Power connector integral with safety lid
6. Supply at least 4 sets of gel casting trays
7. Supply at least 6 Nos. of 1.0 mm thick comb for 8-20 samples
8. Compatible DC Power supply
9. Compatible microprocessor based power supply to run at least 2 units at constant voltage or current with automatic cross over
10. Output range programmable,10-500V, 4-500 mA in 1 mA step, 100 W maximum
11. Single-unit increments in settings and read-outs for precision and reproducibility
12. Easy to read digital display
13. Ensure safety features for overload, sudden load change, short circuit protection etc. and personal and environmental protection
14. Automatic recovery after power failure

Environmental factors

15. Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
16. The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
17. The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

Power Supply

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

Standards and Safety

20. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements

21. Should be FDA or CE or BIS approved product

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

Documentation

23. User/Technical/Maintenance manuals to be supplied

24. Certificate of calibration and inspection from factory.

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

Sl. No. 32

EMBALMING MACHINE ANDACCESSORIES

1. Drive master flex L/S 100 RPM -01 230V
2. Pump Head L/S Easy Load 11 SS -04
3. Master Flex L/S Chem Durance Biotubing 18, 50, 15.2 m -04
4. Cannulas 18 guage, ID 0.067, Length -2.5” -04
5. Keep ramp clamp tub9ng pack of 12=01

Sl. No. 33

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

1. 12 borosilicate glass 100 ml beakers.
2. 6 alundum extraction thimbles,
3. 6 heat covers,
4. 6 cork gaskets,
5. 6 beaker rings.
6. 6 upper condenser gaskets,

7. 9 sample tubes,
8. 6 support stirrups and
9. 9 borosilicate glass reclaiming tubes.

· Should be FDA or CE or BIS approved product

Sl. No. 34

HOT AIR OVEN SIZE 14" X 14" X 14"

1 Description of Function
1.1 Hot Air Oven is required for heating a sample under controlled conditions.
2 Operational Requirements
2.1 Microprocessor based system with PID-temperature controller with integrated .auto diagnostic system with fault indicator.
2.2 Thermostatically controlled system.
3 Technical Specifications
3.1 External: Stainless Steel Casing: Insulated stainless steel door with locking and rear zinc-plated steel
3.2 Interior - Internal Volume atleast 55 liters easy-to-clean interior, made of stainless steel, with supports on the three sides for three adjustable perforated stainless steel shelves
3.3 Forced air circulation by quiet air turbine/Fan to ensure uniform temperature
3.4 Fitted with load indicator and safety thermostat take over indicator lamp. LCD/LED Indicator
3.5 Temperature Variation +/- 1 deg C.
3.6 Temperature Range- ambient to 250 deg C.
3.7 Output available for data acquisition.
4 System Configuration Accessories, spares and consumables
4.1 System as specified-
5 Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.(Input 160-260 V and output 220-240 V and 50 Hz)

Sl. No. 35

HOT AIR OVEN

1. Microprocessor based digitally controlled equipment suitable for daily usage.
2. Should have double walled construction, special high quality insulated steel.
3. Facility for adjustable shelves, 10 removable shelves to be provided.
4. Size of inner chamber approx 55x55x70 cm approx with internal lighting facility
5. Insulated door fitted with heavy hinges, mechanical door lock.
6. Temperature range 30-250^{o}C, digitally temperature setting accuracy

7. Temp sensor and display for temperature (LCD).
8. Forced uniform air circulation, Digital safety thermostat.
9. Delayed start and stop function, high quality heating element
10. Supplied with cord & plug, operate at 220V/50 Hz AC supply
11. All consumables required for installation and standardization of system should be provided free of cost
12. Should have all the accessories required for the functioning of the equipment.
13. CE / ISI mark or other equivalent quality certification.

Sl. No. 36

HOT AIR STERILIZER

1. Microprocessor temperature controller with digital display
2. Temperature upto 300 deg C
3. Stainless steel interior with adjustable shelves
4. 24 hour timer
5. Alarm for temperature rise and timer
6. Power on/off switch
7. Forced air circulation sterilizers with fan and speed controller for variable circulation.
8. System should be CE or BIS approved product

Sl. No. 37

HUMAN SKELETON ARTICULATED (REAL BONES)

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 - 1 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 skelton part in high details

2.3 The arms, legs and skull cap should be removable for study.

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

2.5 Should be supplied with 5 caster roller stand.

2.6. It should be neat and clean.

2.7 Origin of bone should be marked & painted in RED colour and insertions should be marked and painted in BLUE colour.

Sl. No. 38

COMPLETE HUMAN BONES SET DISARTICULATED (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

Sl. No. 39

INCUBATOR ELECTRIC

Technical specifications:

1. Capacity: 100-150L
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. Temperature range Ambient +5° C to 80°C
10. Interior lighting facilities, insulated door fitted with heavy hinges handle locking, mechanical door lock.
11. **Power Supply:**
    Power input to be 220-240VAC, 50Hz fitted with Indian plug
12. **Standards:**
    Should be European CE or BIS approved product.

Sl. No. 40

STAGE INCUBATOR

Incubator electric with thermostat
Technical specifications:

1. Capacity: 100-150L
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 Ambient +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.

Power Supply:

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

Standards:

16. Should be European CE or US FDA or BIS approved product.
17. Demonstration of the product is must.

Sl No. 41

INCUBATOR, ELECTRIC

Description of function

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

Operation requirement

Microprocessor /Microcontroller /Microcomputer controlled system.

Technical specification

Capacity: 120L with 2 compartments having light in each compartment with UV light.
Interior chamber: Stainless steel for easy cleaning and decontamination.
Timer 1 min to 100 hours and hold position.
Minimum turbulence and no cross contamination.
Adjustable safety thermostat for temperature, with inbuilt temperature sensor.
Internal glass door for the observation.
With minimum two adjustable shelves one with shaking facility (lower shelf).
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.
Peltier heating with continuous air circulation and heating by natural /forced convection for homogenous temperature distribution.
Temperature range: +5 deg. C above ambient to 80 deg C and variable shaking speed.
There should be a membrane key pad with LCD/LED to set and display operating parameters. Current status, running time and alarm conditions for time and temperature.
Interior lighting facility, insulated door fitted with heavy hinges handles locking, mechanical door lock.
System Configuration Accessories, Spares and consumables.
Flask holding tray of different volume 25 -500ml.

Power Supply

Power input to be 220-240VAC 50Hz fitted with Indian plug
Suitable UPS with maintenance free batteries for minimum one hour backup should be supplied with the system

Standards, Safety and Training

Electrical safety conforms to standards for electricity safety IEC-60601/IS-13450
Should be complaint to ISO 13485: Quality systems-Medical devices-Particular requirement for the application of ISO 9001 applicable to manufactures and service providers that perform their own design activities
Should be FDA or CE approved product

Sl. No. 42

BOD INCUBATOR

1. The system should have a temperature control range from +5^0 C to 60^{0}C accuracy +/-1 Deg C.
2. Hermitically sealed compressor with CFC free refrigerant.
3. The heat transfer to environment at 37^0 C should be 40 W/h.
4. The equipment should have inner chamber volume of 300-350 Litres.
5. Should have lockable castor wheels for movement.
6. The system should have a temperature deviation of+ 0.2C at 37^0 C
7. The system should have heating up time of less than 45 min to achieve 37^0 C.
8. The equipment should have temperature recovery time of 10 min at 37^0 C.
9. The equipment should have rounded edges and corners for easy cleaning.
10. Should work on 220 volts, 50 Hz.
11. Should be USFDA or European CE or BIS approved product

Sl. No. 43

INSTRUMENTS STERILISER ELECTRIC SIZE: 12" X 8" X 6"

1. Automatic adjustable working pressure system.
2. Double walled.
3. Inside boiler made of stainless steel & outside mild steel finished in cream enamel.
4. Radial locking system lid.
5. The panel is provided with on/off switch, pressure gauge, steam release valve & indicators to show the working of mains & pressure control system.
6. Electrically operated on 220V A/C with stainless steel basket.
7. Digital Temperature controller with inbuilt timer that will cut off the heaters automatically after lapse of pre set time at the pre set temperature.
8. Microprocessor based PID controller.
9. Size 12" x 8" x 6"
10. Should be FDA or CE or BIS approved product

Sl. No. 44

LAMINAR AIRFLOW

1 Description of Function

1.1 Laminar Airflow is required to make available an environment whose air supply is free of bacteria, fungi, pollen, and practically all air-borne dirt.

2 Operational Requirements

2.1 The basic equipment shall consist of a HEPA filter, pre filter, suitable blower assembly, necessary lighting, indicators and controls for the cabinet. The equipment should be mounted on a stand with levelling feet.

3 Technical Specifications

3.1 Type of Flow: Vertical or Horizontal

3.2 HEPA FILTER: Face dimensions: 4ft (L) X 2ft (W) X 6 ft

The HEPA filter should have rated efficiency of 99.97% (or better) at 0.3 microns to provide product protection of Class 100 or exceeding Class 100 requirements of Federal Standards 209E or equivalent ISO within the work. Area

3.3 PRE Filter with Synthetic, non-woven polyester fibers having casing of enamel painted CRCA frame with Retention of 10 - 15 Micron and 90 % Efficiency. Washable with an arrestance of 90% or better
3.4. Material of construction: Main body and rear panel: Electro-galvanized steel or Mild Steel, oven baked epoxy powder coated finish. Side window (panels): UV stabilized transparent Perspex or polycarbonate or dual metal side walls with negatively pressurised interstitial space. Work table (surface): SS304 or SS316.
3.5 Working area should be 24 cu ft.
3.6. Blower Assembly: DIDW type blower or dual brushless DC (BLDC) blower system with high RPM motor, enclosed in a powder coated MS casing suitably suspended in a pair springs & connected to the filter chamber through flexible canvas duct or metal blower plenum.
3.7 Front Windows Acrylic, fixed by clamps.
3.8 Illumination with Fluorescent tubes with diffusers. Light Intensity at Work Surface: 800-1000 lux/75-90 foot candles
3.9 Laminar Airflow Velocity: Approx. 90 feet per minute (fpm) +/-10% average velocity measured 50 mm from the filter face. Uniformity +/-20% of average or better.
3.10 Additional Requirement: Vibration free Gas burner facility on working bench .Air pressure indicator with manometer (Differential Pressure Gauge with Scale display in cms of water).Drain valve with smooth drainage arrangement. Exhaust ducting as per site requirement
3.12 UV Germicidal lamp intensity >40 microwatt/sq. cm. over the entire work surface
3.13 Switched and indicators: Individual switches and indicator lamps for blower motor, florescent lamp and UV lamp.

4 System Configuration Accessories, spares and consumables

4.1 System as specified-
4.2 Other fitting required for attaching auxiliary services are

5 Standards

5.1 Should be CE or FDA or BIS approved product

Sl. No. 45

BINOCULAR RESEARCH MICROSCOPE

1. Microscope stand with Coaxial focusing control knobs, coarse motion torque adjustable, Upper stage drive stop incorporated.
2. Color Corrected Infinity Optical System, Anti fungus
3. Choice of different powers of objectives (long barrel 4X, 10X, 40X spring, 100X oil, spring). Objectives should be flat apochromatic.
4. Eyepieces with pointer (paired and compensating) 10X (FOV 20 or more)
5. Mechanical stage of standard dimensions
6. Swing out Type Plan Achromatic Condenser, N.A. 0.90.
7. Light Source: LED
8. Lamp should not produce undesirable heat.
9. Cover and Casing for storage of objectives, eyepieces, whole assembly
10. Power Supply 220-240 V AC,
11. C Mount Adapter
12. Microscope should have trinocular tube for attaching the camera.
13. High resolution Digital CCD Camera with resolution: 12.0 mega pixels
14. USB to PC connection
15. 16mm lens

16. Macro viewing tube
17. Calibration slide
18. Imaging Software
19. Instant Image Capturing, Real time full screen image
20. Programmed Interval Captures, Video Capture by Time Settings
21. Easy Measurement Calibration, Measurement in microns, inches, millimetres
22. Length Measurements, Ellipse, Rectangle, Irregular Shape Measurements
23. Perimeter, Radius, Circumference Measurements, Angle Measurements
24. Automatic Image amalgamation
25. Image Adjustment Effects,
26. Microscope, Digital imaging system and software should be of the same brand and same manufacturer to ensure complete compatibility and optimum performance.
27. System should supply with suitable PC and 21" Monitor
28. Should be CE or FDA approved
29. CMC /AMC for atleast 5 years.

Sl. No. 46

BINOCULAR RESEARCH MICROSCOPE FOR FACULTY

1. Microscope stand with Coaxial focusing control knobs, coarse motion torque adjustable, Upper stage drive stop incorporated.
2. Color Corrected Infinity Optical System, Anti fungus
3. Choice of different powers of objectives (long barrel 4X, 10X, 40X spring, 100X oil, spring). Objectives should be flat apochromatic.
4. Eyepieces with pointer (paired and compensating) 10X (FOV 20 or more)
5. Mechanical stage of standard dimensions
6. Swing out Type Plan Achromatic Condenser, N.A. 0.90.
7. Light Source: LED
8. Lamp should not produce undesirable heat.
9. Cover and Casing for storage of objectives, eyepieces, whole assembly
10. Power Supply 220-240 V AC,
11. C Mount Adapter
12. Should be CE or FDA or BIS approved

Sl. No. 47

MICROSCOPES, OIL IMMERSION

- Should be identical for Physiology labs with high quality optics, having 4 objectives- low, high, oil immersion and scanner lenses, Halogen /Tungsten light source.
- **Optical System:**
  Infinity corrected optics par focal, plan achromatic lenses with anti fungal properties.
- **Illumination:**
  Built in transmitted Koehler illumination.
  6 V, 20 to 30 W Halogen /Tungsten light source.
- **Power supply**: 220-240V 50Hz

- **Focusing**:
  Stage height movement by roller guide (rack & pinion)
  Upper limit stopper
  Tension adjustable on coarse focus adjustment knob
  Revolving nosepiece
  Quintuple
- **Observation tube:**
  Tube inclination – 30° / 45°
  Inter-pupillary distance adjustment range – minimum 50 to 70 mm
  Stage Movement range – (75+/-5) mm X - direction X (50+/-5) mm Y - direction
  Rectangular scratch resistant stage with right hand control with double slide holder and vernier scale on X Y axis.
- **Condenser**
- Type – Abbe condenser
- N.A. >/=1.25
- Aperture iris diaphragm - built – in
- **Objectives** - Plan Achromat 4x, 10x, 20x, 40x & 100x (oil)
- **Eyepiece**
  10X with F.N 20
- All the necessary adapters and power cords should be provided for functioning of microscope.
- **Accessories**:
  - Eyepiece with pointers
  - Eyepiece with millimeter scale grid
- The product should be CE or FDA or BIS Certified
- Demonstration of the product is must

Sl. No. 48

BINOCULAR MICROSCOPE (FOR STUDENTS)

Student upright Binocular Microscopes (with inbuilt light source & imported achromatic optics)
1. Binocular microscope with universal infinity corrected optical system
2. Halogen / LED light source illumination.
3. Rigid frame with ergonomics design
4. Binocular observation tube with inclination of 45/30 degrees
5. Built in torque adjustable focusing knob
6. Mechanical stage with rigid hand coaxial control
7. Abbe condenser, Iris diaphragm
8. Revolving Quadruple nose piece (for objectives).
9. Plan achromat objectives 4X, 10X, 40X, 100X (Oil)
10. 40X, 100X objective should be spring loaded
11. Eye piece 10X (FOV 20)
12. Antifungal treatment should be applied to the observation tube, eyepiece and objective
13. Accessories, dust cover and power cord
14. Eye pieces with pointers – 10 nos.
15. Power requirement 220 V/50 Hz
16. Should be CE certified/FDA /BIS approved product.
17. Observation tube - should be Seidentopf type.

Sl. No. 49

DISSECTING MICROSCOPE

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 Solid metallic body with sturdy stand riding on heavy castor wheels with locking breaks.
7 Halogen illuminations 150W with power supply.
8 Should have 3 spare lamps with each unit.
B Power Supply
Power input to be 220-240VAC, 50Hz
CE or BIS approved product or equivalent.

Sl. No. 50

MOTORIZED ROTARY MICROTOME (SEMI AUTOMATIC)

1 Description of Function

1.1.1 Rotary microtomes are precision instruments designed to cut uniformly thin sections of variety of tissue specimens for detailed microscopic examination. The microtome operation is based upon rotary actions of hand wheel activating the advancement of a block towards a rigidly held knife.

2 Operational Requirements

2.2 Latest model Semi-automatic system with all accessories are required

3 Technical specifications

3.1 Semi automated motorized rotary microtome along with manual operation having microprocessor controlled panel
3.2 Precise Micrometer feed system via stepper motor permits precision sectioning selectable at least from **2.0—6.0 micron in 0.5 micronincrements.**
3.3 Trimming section selectable from 2 micron onwards.
3.4 The maximum vertical specimen stroke length of at least 70mm, larger specimen can be sectioned. The specimen holder should be clamp type and can hold 60 mm size block.
3.5 Suitable Knife holder for high profile and low profile should be provided.
3.6 The specimen retraction should occur on return stroke.
3.7 Knife angle position locking facility should be provided.
3.7 Cold light source.
3.8 Precise specimen orientation with zero point indication, with an orientation 8 ° X-Y axis helps in making perfect orientation of the sample for sectioning.
3.9 Disposable blade holder with lateral displacement feature that can hold both high and low profile blades and knife holder which can accommodate 16 cm C& D type knives.
3.10 Knife holder should be vibration free.
3.11 Integrated section waste tray.
3.12 Option to use both standard knife holder & disposable blade holder.

4 System Configuration, Accessories, Spares & Consumables

4.1 Essential Accessories should be provided free of cost along with equipment
a. Microtome disposable blades (high profile coated) – 20 packets (50 blades /pack) [1000 nos.]

b. Microtome disposable blades (Low profile coated) – 20 packets (50 blades /pack)
c. C type Knife 16 cm - 3 Nos.
d. Cold plate (Dry Type).
e. Equipment should be complete in all respects along with all accessories.
f. Equipment should be working from day 1 of installation.

5 Environmental factors

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

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

6 Power Supply

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

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

7 Standards and Safety

7.1 Should be US FDA or European CE or BIS approved product

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

8 Documentation

8.1 Certificate of calibration and inspection from factory.

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

8.3 User/Technical/Maintenance manuals to be supplied

8.4 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.

8.5 The job description of the hospital technician and company service engineer should be clearly spelt out

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

8.7 List of important spare parts and accessories with their part number and cost.

8.8 List of installations, List of user feedback and performance certificates to be provided

Sl. No. 51

SLEDGE AND FREEZING MICROTOME

1 Description of Function

1.1 A sledge microtome where the sample is placed into a fixed holder (shuttle), which then moves backwards and forwards across a knife. Freezing microtome 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. Sledge Cutting

a) Knife: 6 2/3" (17cm)

b) Section Thickness: 0.4 microns and up Calibrated -12 microns

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: ½ 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
3 Standards, Safety and Training
4 CE/ BIS approved product.

Sl. No. 52

PARAFFIN EMBEDDING SYSTEM

A Technical Specifications
1. Should have single module design.
2. Electronically controlled for dependability and performance.
3. The heating function should be controlled by accurate digital thermostat
4. Low and flat work-surface to facilitate operator efficiency.
5. User friendly membrane switches.
6. 4-liter capacity paraffin reservoir which minimizes refilling frequency.
7. Forceps warmer and illuminated paraffin dispenser.
8. Warming oven with removable shelf and double hinged lid for convenient access to preheated base mould.
9. Wax bath complete with drainage shelf, debris screen, and hinged lid.
10.Heated work area which provides a flat working surface with the excess paraffin draining under the surface into the wax bath; complete with a hand and foot switch for activating the dispensing head.
11. Bright illuminations for convenient working.
12. The cold plate should have 170 sq. in. (1100cm2) of efficient refrigerated cooled working surface with removable stainless steel drainage tray beneath.
13. Tactile membrane touch-pad for easy temperature setting and monitoring.
14. Height of Work Surface: Work stage 2.75"(7cm) above countertop
15. Wax Reservoir Dimension (approx): .75"(L) x 4.75"(W) x 4"(D) (19.5 x 12 x 9.5cm)
16. Wax Bath Dimension (Approx): 10.25"(L) x 8.5"(W) x 1.75"(D) (26 x 21.5 x 4cm)
17. Warming Oven Dimension (approx): 6.5"(L) x 7.5"(W) x min 2.5" max 6" (14 - 16.5cm)
18. Cold Plate Dimension (Approx): 11.75"(L) x 14.5"(W) (29.5 x 36.6cm)
Temp Ranges:
19. Wax Reservoirs: 40° - 70°C +/-2°C
20. Work Surface: 40° - 70°C +/-5°C
21. Wax Bath: 40° - 70°C +/-2°C
22. Cold Plate working surface: ambient to -5°C
B Accessories, spares and consumables
1. Spare Bulb - 3
2. Thermostats - 1
3. Power input to be 220-240VAC, 50Hz
C Standards, Safety and Training
1. CE or BIS approved product.

Sl. No. 53

pH METER

1. Description of function: will be able to measure precisely the Ph of any solution.

2. Operational requirement: combined electrode with digital display of Ph.

3. Technical specification:

   - Ph: (1) range: 1-14, (2) Resolution: 0.1, (3) accuracy: ±, (4) calibration: at least 2 point.
   - ORD: (1) RANGE: ± 199 mv (2) Resolution: 0.1 mv / 1 mv
   - Temperature: (1) range: 0-100^0 C, (2) Resolution: 1^0 C (3) Accuracy: ±1^0 C (4) calibration: off set range ±1^0 C

4. System Configuration Accessories, spares and consumables

4.1 Should be supplied with two level standard Ph solution / Ph tablets.

5. Environmental factors

5.1 Shall meet (BIS) General Requirements of Safety for Electromagnetic Compatibility. or comply with 89/366/EEC; EMC-directive.

5.2 The unit shall be capable of being stored continuously in ambient temperature of 0-5deg C and relative humidity of 15-90%

5.3 Thu unit shall be capable of operating in ambient temperature of 20-40 deg C and relative humidity less than 70%

6. Power Supply

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

7. Standards, Safety and Training

7.1 Should be FDA or CE or BIS approved product

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

7.3 Manufacturer / Supplier should have ISO certification for quality standards.

Sl. No. 54

PHYSIOGRAPH, 3 CHANNELS, COMPLETE WITH ACCESSORIES

- Console with time & Event channel and stimulator for human experiments

Couplers

- Strain gauge - 1 No.
- Isotonic - 1 No.
- Pulse respiration - 1 No.

- Temperature - 1 No.
- EKG (Clinical) with electrode.1 No. ,5 pin junction and belly
- Biopotential (with electrodes, 1 No.s, 3 pin junction box, pastes and electrodes for action potential)

Transducers:

- Pressure – 1 No.s
- Volume – 1 No.s
- Muscle activity /Force – 1 No.s
- Respiration belt – 1 No.s
- Isotonic Fine movement – 1 No.s
- Pulse – 1 No.s
- Respiration (Thermister type) – 1 No.s
- Temperature – 1 No.s

Accessories: Following accessories are supplied along with each console:

- Chart paper Z folds 250 folds 10 no.s
- Fuses 10 no.s
- Instruction manual
- Earthing codes 01. No.s
- Extra pen with Cradles 01 no.s
- Ink ½ Ltr
- Machine cover 01 no.s
- The product should be CE or FDA or BIS Certified
- Demonstration of the product is must

Sl. No. 55

PHYSIOGRAPH, SINGLE CHANNEL, WITH ACCESSORIES

- Should be able to record simple muscle and nerve responses to nerve stimulations
- It should be made of light metal for compactness and lightness.
- Student Physiograph should be single channel console with 9 speed (.5,1,2,5,10,20,25,30 & 50 mm/sec) chart drive, time & event markers and appropriate transducers and stimulator
- Couplers: Strain Gauge and isotonic
- Transducers: Pressure, volume, muscle activity/ force, Isotonic fine movement
- Accessories, spares and consumables
- Earth Lead
- Ink bottle
- EP to EP lead
- Perpex pen
- Steel wire
- Motor Belt
- Chart paper Z- fold
- Fuse
- Cover
- Power Supply
- Power input to be 220-240VAC, 50Hz
- The product should be CE or FDA or BIS or ISO Certified
- Demonstration of the product is must

Sl. No. 56

MORTUARY COOLER / REFRIGERATOR FOR 8 BODIES

1. Corrosion free interior and exterior.
2. Audio visual alarm for high and low temperature.
3. Designed for long storage of cadaverous.
4. PUF insulation on all sides.
5. Special design ensuring best hygiene with washing & draining facility.
6. Reliable
7. Tray or Trolley should be available in the mortuary chamber so that the cadaver can be pushed inside or pulled outside the chamber smoothly.
8. Energy efficient and sturdy construction.
9. Light weight.
10. Digital temperature indication.
11. Low maintenance.
12. Microprocessor based / PLC temperature control.
14. Outer body of the mortuary chamber is constructed out of thick S.S sheets. The inner chamber made of heavy gauge stainless steel sheet of SS-304 grade. The 100mm gap between the walls filled high grade poly urethane insulation, which ensures maximum thermal efficiency.
15. The doors connected by very sturdy chrome plate hinges and fitted with hard chrome plated lubricated latches for opening of the door.
16. The doors made of galvanized steel sheets, lined with stainless steel for extra protection and long life.
17. All the doors fitted with high quality neoprene rubber gaskets for airtight fittings with very sturdy casters.
18. CFC free compressors, conforming to latest international standards and guidelines.
19. Vapor proof lamp inside.
20. Temperature range -2 to 4 deg C with temp failure alarms.
21. Suitable Voltage automatic stabilizer O/P 230 +/-10% I/P 150 – 280Volts.

Sl. No. 57

MORTUARY COOLER / REFRIGERATOR

1. Corrosion free interior and exterior.
2. Audio visual alarm for high and low temperature.
3. Designed for long storage of cadaverous.
4. PUF insulation on all sides.
5. Special design ensuring best hygiene with washing & draining facility.
6. Reliable
7. Tray or Trolley should be available in the mortuary chamber so that the cadaver can be pushed inside or pulled outside the chamber smoothly.
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15. The doors connected by very sturdy chrome plate hinges and fitted with hard chrome plated lubricated latches for opening of the door.
16. The doors made of galvanized steel sheets, lined with stainless steel for extra protection and long life.
17. All the doors fitted with high quality neoprene rubber gaskets for airtight fittings with very sturdy casters.
18. CFC free compressors, conforming to latest international standards and guidelines.
19. Vapor proof lamp inside.
20. Temperature range -2 to 4 deg C with temp failure alarms.
21. Suitable Voltage automatic stabilizer O/P 230 +/-10% I/P 150 – 280Volts.
22. To be installed at each site as per the site conditions.
22. The unit should be (3 x 2) x 2 or (2 x 2) x 3 format.

Sl. No. 58

ICE LINED REFRIGERATOR (SMALL)

Description of function

1.1 Ice-lined refrigerators maintain temperatures of +2°C to +8°C. Not more than 8 hrs continuous or intermittent power should be sufficient per 24 hrs. to maintain vaccine temperature below 8 deg. C.

1.2 Ice-lined refrigerators are required at district, regional and PHC levels, since electricity supplies are rarely perfect and standby electricity supplies may not be available.

Operational Requirements

2.1 Vaccine storage is required for RI, Campaign and new vaccine introduction.

2.2 Designed for tropical climates.

2.3 Target holdover time should be 20 hrs or more in a continuous external temperature of 43 deg C.

2.4 Hot and cold compressor starting at 172 volts (22% below rated voltage).

2.5 Manufacturing process of the product should not use or produce hazardous chemicals-gases.

2.6 Provision for drainage for the waste water.

2.7 Should have legs in the base with rotating screw type height adjustments to balance the weight on uneven floor.

2.8 The unit should have ground clearance of minimum 100 mm.

Technical Specifications

3.1 Net Vaccine Storage Capacity: 90 to 105 liters within basket in place

3.2 Deleted

3.3 Construction:

3.3.1 Internal: Stainless 304 grade steel and 20 guage.

3.3.2 An additional special ice lining consisting of icepacks covered by strong plastic shell.

3.4 External: Corrosion Resistance (CR at least 1 mm thickness)

3.5 Chest type with CFC – free insulation

3.6 Should have horizontal water cool pack covering the top of the basket

3.7 Solid door with lock and handle

3.8 Type: Compression Cycled, CFC-Free (both for refrigeration and insulation) All system tubing (suction tube, freezer tube and condensing tube) should be of minimum 99.97% of pure copper coil.

3.9 Temperature of a full vaccines to remain +2 deg C to +8 deg C during continuous availability of energy at ambient temperature +5 to +45 deg. C with intermittent/ continuous electricity

supply 8 hrs in a 24 hrs cycle. The temperature difference between any two points in the cabinet should not be more than +2 deg.C once stabilized

3.10 Inlet of Capillary should be outside the PUF body.

3.11 ON/OFF Switch and power indicator should be available

3.12 A Micro processor based control unit should be provided for setting of temprature and display following features

3.12.1 3 digit digital display (to one decimal point) of cabinet temperature. The sensor should be placed 25 to 50 mm above base of storage chamber.

3.12.2 Power on LED/LCD indicator

3.12.3 Audio (minimum 65 dBA) and visual alarm against the violation of temperature range (less than +2 and more than +8 degree C)

3.12.4 Min. & Max. cabinet temperature digital display of last 24 hrs. and breaches during last 24 hrs.

3.12.5 The unit should be sealed protected from dust, moisture or condensed water falling over it.

3.12.6 Accuracy for digital controller +- 0.5 degree centigrade

System Configuration

4.1 Programmable Micro-processor control unit with child lock facility

4.2 Should have provision to set minimum and maximum temperature at 0.1 degree Centigrade to programme the unit for continuous operation

4.3 Should have provision for defrosting program.

Accessories, spares and warrantee:

5.1 The equipment should have minimum warrantee of sixty months after installation or sixty six months after the supply whichever is less.

5.2 Vaccine Storage Basket allowing free circulation of air, having the size to be able to accommodate 4 to 6 of them in the unit and suitable to match the net volume requirement. It should be minimum 5 wire basket.

5.3 Stem Alcohol thermometer (specifications and standard as per MOHFW approved Annexure-1) - one piece per unit range of -30 to +50 degree centigrade.

5.4 The supplier is required to maintain all the spare parts throughout the warrantee period and not less than ten years.

5.5 "The supplier should provide the following spare parts for every 10 units.

All spare parts will be supplied at respective state head quarter. The actual list of the consignee will be provided at the time of NOA"

5.5.1 Starting device for compressor- 10

5.5.2 Capacitor for compressor -10

5.5.3 Thermostat for refrigerator use -10

5.5.4 Compressor-01

Environmental factors

6.1 The unit shall be capable of being stored continuously in ambient temperature of 0 to 50deg C and relative humidity of 95%

6.2 The unit shall be capable of operating continuously in ambient temperature of 5 to 45 deg C and relative humidity of 90%

6.3 The plug should be flexible and unbreakable sealed rubber type.

Power Supply

7.1 Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug

7.2 Voltage stabilizer as per the MOHFW approved specifications and standard enclosed as Annexure-2

Standards and Safety

8.1 Product should be FDA or CE approved.

8.2 Should meet WHO/UNICEF Standard WHO/PQS/E03/RF03.1.for Ice Lined Refrigerators.

8.3 Test and inspection as per WHO procedure reference WHO/PQS/E03/RF03-VP.1 Testing should be carried out from WHO certified lab/NABL/STQC Labs

8.4 Colourcode : WHITE

Documentation

9.1 A paper copy of user/operator manuals to be supplied in English.

9.2 A paper copy of technical/wiring diagram/maintenance manuals to be supplied in English.

9.3 Certificate of inspection for technical compliance from an independent laboratory approved /recognized by WHO certified /National Accreditation Board for laboratories/STQC Labs is essential. Certificate of testing should be currently valid till the supply and same must be verified by inspecting authority.

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

Packing of the equipment during shipment

10.1 The supplier should provide strong and sufficient packing to ensure safe arrival of goods at the destination free from loss or damage.

10.2 A vertical arrow should be marked at the all sides of packages to ensure transportation of equipment in vertical position. TOP and BOTTOM should also be written.

10.3 To put label and signage's for HANDLE WITH CARE ON ALL SIDES OF THE CRATES as per packing & shipment norms

Following messages should be written at the Top of the ILR

11.1 Place refrigerator at least 10 cms away from the wall and 20 cms away from other equipment for free air circulation

11.2 Use voltage stabilizer provided with the ILR

11.3 Safe temperature range +2 to +8oC

11.4 Store all UIP vaccines in ILR at CHC/PHC (OPV should be stored in deep freezer at State/Regional and district vaccine store)

11.5 Open the lid, only when needed

11.6 Store only UIP vaccines (at PHCs store vaccines and diluents).

11.7 Keep all vaccine in wire baskets provided.

11.8 Leave space between the vaccine boxes for air circulation.

11.9 Place a thermometer in the basket in between the vaccines.

11.10 Keep freeze sensitive and closer expiry vaccines at TOP of the basket

11.11 Keep heat sensitive and further expiry date vaccines in the bottom of basket.

11.12 Avoid removing thermometer from the unit while reading temperature.

11.13 Net vaccine storage capacity in Litres

11.14 Hold over time in hrs

Sl. No. 59

REFRIGERATOR, 9-10 CFT.

- Capacity range 9-10 cft..
- Temperature 2-8^{o}C
- Preferably roller or caster mounted
- Adjustable shelves
- Battery backup for display and alarms.
- Durable rust free exterior
- Durable interior.

- Control panel with temperature alarm, on/off switch and digital thermometer, Interior lighting, auto or manual defrosting arrangement.
- Adequate circulation of air to ensure even cooling.
- Door with lock.
- Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display.
- Electronic automatic temperature control,
- Operable at 220 V, 50 Hz, single phase AC supply.
- Compressor unit to be hermetically sealed with guarantee for at least five years.
- Training of laboratory staff for the purchased equipment
- Availability of spares/ disposables for at least 10 years.
- List of users and satisfactory report of quoted model from reputed institute preferably Government institute/ hospitals
- Should have all the accessories required for the functioning of the equipment.
- CE / ISI/US FDA mark or other equivalent quality certification.
- All electrical peripherals required for smooth functioning e.g. voltage stabilizer provided with the equipment
- Demonstration of the product is must

Sl. No. 60

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. Durable rust free exterior.
6. Durable interior.
7. Interior lighting, auto or manual defrosting arrangement.
8. Adequate circulation of air to ensure even cooling.
9. Door with lock.
10. Electronic automatic temperature control,
11. Operable at 220 V, 50 Hz, single phase AC supply.
12. Compressor unit to be hermetically sealed with guarantee for at least five years.
13. CE or ISI or BIS mark or other equivalent quality certification.
14. Demonstration: As per General Tender Terms & Conditions.

Sl. No. 61

LAB REFRIGERATORS

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

Sl. No. 62

DEEP FREEZER (-20 DEG. C)-HIGH VOLUME

Description of Function

1. Deep Freezers are required to preserve blood and blood products, vaccinations etc at specified temperature.

Operational Requirements

2. Vertical Freezer, at least double door with adjustable 6 to 8 shelves (frost free)
3. Separate Chamber racks to be pulled out for easy handling
4. Non-CFC refrigerant

Technical Specifications

5. Capacity within 275L to 300L
6. Digital display of set and actual temperature, with audiovisual alarm
7. No condensation on storing material with automatic electric defrost

Construction:

8. Solid rust free cabinet to prevent corrosion and lockable castor wheels.

Refrigeration System

9. Heavy Duty refrigeration system, maintenance free, below -20 deg C (± 1 Deg. C) with hermetically sealed refrigeration compressors and reliable refrigeration to minimize noise and vibration, air cooled with security lock to prevent unintentional switch off shall be supplied. It should have maximum cooling time hours at maximum ambient temperature of 33deg C. The equipment should be of continuous duty and frost free.

Alarm

10. Insulation High density polyurethane or equivalent Gaskets - Double seal silicon.

11. Freezer must be manual defrost

12. Should have a keyed on/off switch. and must have interior lighting with external on/off switch

13. must use forced-air circulation to maintain internal conditions

Environmental factors

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

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

Power Supply

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

Standards and Safety

17. Should be USFDA or European CE or BIS approved product

Documentation

18. User manual in English

19. Service manual in English

20. List of Equipment available for providing calibration and routine Preventive Maintenance Support. As per manufacturer documentation in service/technical manual.

21. Certificate of calibration and inspection from factory.

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

23. accessories with their part number and costing available in stock with the supplier.

Sl. No. 63

MORTUARY DEEP FREEZER

Specifications:

Internal Volume (Litres) – 300 lit
Number of trays – 4-6 (Adjustable stainhless& steel trays with perforated design).
Minimum Temperature: -40°C -80°C (AC room)
Insulation (CFC & HCFC free polyurethane foam): 100 mm minimum for Body & 100 mm for Door
Temperature control: Microprocessor based temp. controller cum indicator.
Display: 1" - 7 Segment, Big Size LED
Power Failure Alarm: Audio Visual Alarm
Door: Standard hinged door with double gasket seal between the door & cabinet.
Door Open Alarm: Audio Alarm in case door open for over one minute
Internal Body Material: Stainless Steel - 316 grade
External Body Material: Stainless Steel - 304 grade
Inbuilt hermetically sealed compressor
Noise Level: Less Than 65 db (A)
Voltage Stabilizer: of appropriate specification to be included
2. Environmental factors:
a. Shall meet IEC – 60601 – 1 – 2 :2001 (Or Equivalent BIS) General requirements of safety for Electromagnetic Compatibility or should comply with 89 / 366 / EEC; EMC – directive.
b. The unit shall be capable of operating continuously in ambient temperature of 20 – 30^0 C and relative humidity of 15 – 90%.
c. The unit shall be capable of being stored continuously in ambient temperature of 0 – 50 deg C and relative humidity of 15 – 90 %.
3. Power supply:
a. Power input to be 220 – 240 VAC, 50 Hz fitted with Indian plug.
b. UPS of suitable rating with voltage regulation, spike protection and maintenance free batteries for 60 minutes back up.
4. Standards, safety and Training:
a. Should be US FDA/European CE approved product.
b. Manufacturer should have ISO certification for quality standards.
c. Comprehensive training for lab staff and support services till familiarity with the system
5. Documentation:
a. User / Technical / Maintenance manuals to be supplied in English.
b. Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / Para number of original catalogue / data sheet. Any point, if not substantiated with authenticated catalogue / manual, will not be consider

Sl. No. 64

SPECTROPHOTOMETER (UV VISIBLE RANGE)

1. Optical system- diffraction gratings
2. Wavelength range 190-1100 nm.
3. Wavelength accuracy +/-0.3nm.
4. Absorbance range 0-3 Abs
5. Band pass< 2 nm
6. Light source tungsten and halogen / deuterium/ Xenon lamp
7. Photometric modes Absorbance, % transmittance and Concentration
8. Detector – silicon photodiode

9. Quartz cuvettes 1.0 ml (two pairs)
2.0 ml (two Pairs)
3 ml (two pairs) & micro cuvettes
10. Glass cuvettes 1 ml (2 pairs)
2ml (2 Pairs)
3ml (2 Pairs) & micro cuvettes
11. Computer with colour monitor with laser printer with mouse with key board.
12. Computer: i5 3rd generation with licensed windows operating system, 4GB RAM/ above, 500 GB HD or Higher, DVD RW , 15-17" colour LCD/LED monitor
13. Printer: Colour laser printer
14. Keyboard
15. Mouse
16. Suitable voltage stablilizer UPS
17. Power supply 220-240 V+/1- 10%
18. Facility for Both Kinetic and End Point assay of Sample volume of minimum 0.5 ml with temperature control.
19. Adapter for holding micro cuvettes.
20. Should be FDA or CE or BIS approved product

Sl. No. 65

UV-VIS SPECTROPHOTOMETER

OPTICAL SYSTEM - Double beam
MONOCHRAMATOR - Double
GRATING - Double blazed / higher performance blazed
WAVE LENGTH RANGE - 190 nm to 900 nm
WAVE LENGTH ACCURACY - +/- 0.1 nm
STRAY LIGHT -1.2 % w/v solution of KCL at 200 nm : ≥ 2 Abs
RESOLUTION - 0.1 nm
PHOTOMETRIC MODE - Absorbance, Transmittance, Reflectance, Energy
PHOTOMETRIC RANGE -Abs:- 3.8 to + 3.8, %T: 0 to 300%
SPECTRAL BAND WIDT - 0.1,0.2,0.5,1,2,5 nm (6 steps)
WAVELENGTH SLEW RATE - VARIABLE UPTO 3000 nm/min
BASE LINE FLATNESS - + 0.0003 Abs
DRIFT - 0.0003 Abs/h
DETECTOR -photomultiplier
DATA PROCESSING - software based with integrating & derivative plot facility (min 2ndderivative)
Additional Spare - 1 PAIR QUARTZ CUVETTE (1-cm, 5ml) - 1 No.
SOFTWARE WITH P.C. AND PRINTER
·Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification
DOCUMENTS AND TRAININGS:
·IQ - OQ and PQ documents
· On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
On Site Training at the time of installation.
Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup

Sl. No. 66

SPECTROPHOTOMETER

1. Wevelength range: 190 to 1100 nm.
2. Spectral bandwidth: 1nm
3. Light Source(s) 20-W halogen lamp and deuterium lamp built-in light source auto position adjustable.
4. Detector Type: Silicone photodiode
5. Wavelength Accuracy: ±0.1 nm at D2 peak 656.1 nm, ±0.3 nm for entire range.
6. Spectral Resolution: 0.1nm increment.
7. Absorbance Precision: Absorbance: -4 to4 Abs, Transmittance: 0% to 400%, accuracy: ±0.002 Abs at 0.5 Abs, ±0.004 Abs at 1.0 Abs,
8. Photometric System: Double bean optic.
9. Wavelength Scanning speed: 3000 to 2 nm / min.
10. Power requirement: 220 to 240 V, AC 50Hz.
11. Environmental requirement: Temp 15 to 40^0C. Humidity: 30-70%.
12. Output device: UV PC format.
13. PC Compatibility: provided with UV probe software. External control possible via USB.
14. Should provide Quartz cuvette: 1ml and 3ml Capacity.
15. Should provide glass cuvette 1ml and 3ml capacity.
16. Sample detection for RNA and Protein
17. Maximum sample concentration: 750-1000 ng / microlitre of dsDNA
18. Measurement Time < 5 seconds
19. PC with software Windows XP / 2007 or inbuilt LCD Screen
20. System should be US FDA or European CE or BIS approved
21. AMC /CMC for atleast 5 years

Sl. No. 67

VAN SLYKO'S APPARATUS MANOMETRIC

- Apparatus for analyzing gases inmicrolitre samples of blood or othersolutions
- Based on vacuum extraction principle
- Should be accurate and reproducible
- Product should be CE/BIS/US FDA/ISO certified
- Bidder has to give demonstration of the product if required.

Sl. No. 68

WATER BATH

1. Useful for dual purpose. It is a combination of serological and routine rectangular water bath with holes and concentric rings.
2. Standard double wall construction.
3. Immersion heaters are provided for heating to attain temperature range from 5° C above ambient to 95° C ± 1 °C.

4. Digital temp. Indicator-cum-Controller. The equipment to work on 220v AC 50 Hz single phase.
5. Should be CE or FDA or BIS approved product

Sl. No. 69

WATER BATH SEROLOGICAL

1. Useful for dual purpose. It is a combination of serological and routine rectangular water bath with holes and concentric rings.
2. Standard double wall construction.
3. Inner chamber made out of highly polished stainless steel sheet and exterior made out of thick mild steel duly finished power coated paint.
4. Immersion heaters are provided for heating to attain temperature range from 5° C above ambient to 95° C ± 1°C.
5. Digital temp. Indicator-cum-Controller. The equipment to work on 220v AC 50 Hz single phase.
6. Chamber size in mm & inches L x W x H 300 x 225 x 175 mm Approx Capacity appox 15 ltrs. Approx.
7. Should be CE or FDA or BIS approved product

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

   On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the consignee.

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

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

i) The payment of CMC will be made as stipulated in GCC Clause 21.

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

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

Note 3: Supplier should provide adequate training of personnel and supply only non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

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

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

02 Plant and machinery details

03 Manufacturing process details

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

05 Total annual turn-over (value in Rupees)

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

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

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

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

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

2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, **at least 100% of the quoted quantity** of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. (For equipment which are consumable in nature, as identified in the list of requirement, proof of delivery/acceptance by consignee/purchaser shall also be considered acceptable)

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

Note:

1. The tenderer shall give an affidavit as per Section XIX

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

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

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

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

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

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

To

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

Ref. Your TE document No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ *(Description of goods and services)* in conformity with your above referred document for the sum mentioned in the price bid uploaded online, made part of this tender.

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

1	2	3	4	5							6
				Price per unit (Rs.)							
SI.No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Ex - factory/ Ex - warehouse /Ex-showroom /Off - the shelf (a)	Packing and Forwarding charges (b)	Excise Duty (if any) [%age & value] (c)	Sales Tax/ VAT(if any) [%age & value] (d)	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/ unloading and Incidental costs till consignee's site (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (f)	Unit Price (at Consignee Site) basis (g) =a+b+c+d+e+f	Total Price (at Consignee Site) basis (Rs.) 4 x 5(g)

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

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

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

*** After completion of Warranty period**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. 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 offered will be added (at a discounted rate of 10% per year)for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98% on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name_________________________

Business Address_________________________

Place: ____________________________ **Signature of Tenderer_________________________**

Date: ____________________________ **Seal of the Tenderer_________________________**

SECTION – XII
QUESTIONNAIRE

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

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

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

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

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

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

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

The Medical Superintendent
Dr. BABA Saheb Ambedkar Hospital
Sector VI, Rohini, New Delhi – 110085

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

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

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

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

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

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

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

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No_____ dated_____

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

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

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

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

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

Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

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

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

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____
Between

(Address of Head of Hospital)
And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

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

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

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

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

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

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

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

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

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

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

_____

(Signature, name and address of Hospitalauthorised official)

For and on behalf of_____

Received and accepted this contract

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

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

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

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

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

9) Counter Signed by Director/MS/Dean of the concerned Hospital/Institute :_____

10) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)
(Name)
(Designation with stamp)

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

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX

AFFIDAVIT/UNDERTAKING

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief. I/ We hereby certify that the prices offered by us in this tender is not higher than the prices we had offered to any other Govt. of India Organisation(s)/PSU(s) during the last one year and shall provide the justification for reasonableness of our offered price whenever asked during evaluation of our submitted bid. I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Date: **(Signature of the bidder)**

NAME & ADDRESS OF THE BIDDER

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

Section – XX

CHECKLIST

Sl No.	Description
1. a.	Have you enclosed EMD of required amount for the quoted schedules?
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Section XIII?
c.	In case Bank Guarantee is furnished, have you kept its validity of 165 days from Techno Commercial Tender Opening date as per clause 19 of GIT?
2.	Have you enclosed duly filled Tender Form as per format in Section X?
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by Directorate of Industries/NSIC
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?
5. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?
b.	Have you submitted copy of the order(s) and end user certificate?
6.	Have you submitted manufacturer's authorization as per Section XIV?
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?
9. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?
10.	Have you intimated the name an full address of your Banker (s) along with your Account Number
11.	Have you fully accepted payment terms as per TE document?
12.	Have you fully accepted delivery period as per TE document?

Sl No.	Description
13.	Have you submitted the certificate of incorporation?
14.	Have you accepted the warranty and CMC as per TE document?
15.	Have you accepted terms and conditions of TE document?
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?
17	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?
18	Have you enclosed the Affidavit as per Section XIX of the TE document?

N.B.

(i) The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender.

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

Section – XXI
Consignee

Consignee Code	Medical Institutions	Contact Address.	AirPort	Dry Port
BSAH	Dr. BABA Saheb Ambedkar Hospital	The Medical Superintendent, Dr. BABA Saheb Ambedkar Hospital Sector VI, Rohini, New Delhi – 110085	New Delhi	Tughlaqabad, New Delhi

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