

GLOBAL TENDER ENQUIRY DOCUMENT

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

**UNDER PMSSY Scheme
FOR**

GOVT OF INDIA

**MINISTRY OF HEALTH & FAMILY WELFARE
HLL/PCD/PMSSY/AIIMS-II/10/13-14**



BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

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SECTION I

NOTICE INVITING TENDERS (NIT)
For Global Tender from
HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)
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FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/10/13-14

Dated 19.12.2013

NOTICE INVITING TENDERS (NIT)

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites sealed tenders, from eligible and qualified tenderers for supply of Medical Equipments for Microbiology department for Six All India Institutes of Medical Science (AIIMS) – Bhopal, Bhubaneswar, Jodhpur, Patna, Raipur, Rishikesh under PMSSY:

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
1	Ultraviolet/White light transilluminator	Microbiology	1	6	14,400
2	Analytical Weighing Scale – electronics	Microbiology	2	12	14,880
3	Laboratory Autocalve- Microprocessor controlled Stainless steel horizontal	Microbiology	1	6	60,000
4A	Bio safety cabinet Class II A	Microbiology	2	12	156,000
4B	Bio safety cabinet Class II B	Microbiology	1	6	102,000
5	CO2 Incubator	Microbiology	1	6	42,000
6	Micro pipette adjustable, 20ul,50ul,100ul,1000ul capacity	Microbiology	2 each	12 each	7,680
7	Deep freezers -20 to -40 ⁰ C- Vertical; Double door	Microbiology	1	6	48,000
8	Deep freezers -80 ⁰ C- Vertical	Microbiology	1	6	108,000
9	Electronic pipettes digitally adjustable	Microbiology	4	24	5,280
10	Pharmaceutical refrigerators	Microbiology	4	24	38,400
11	Laminar Airflow work station with HEPA filter complete	Microbiology	2	12	72,000

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
12	Automated tissue grinder(Homozenizer)	Microbiology	1	6	3,600
13	Automated continuous monitoring stand alone blood culture system	Microbiology	1	6	84,000
14	Table top refrigerated centrifuged with accessories with adjustable rotor to hold different size tubes	Microbiology	1	6	54,000
15	Walk-in-cooler 4°C (9x8x7 ft)	Microbiology	1	6	120,000
16	All glass distillation apparatus for D.W	Microbiology	2	12	12,240
17	Multi channel pipette 10-50ul, 20-200 ul	Microbiology	2 each	12 each	14,400
18	Laboratory centrifuge	Microbiology	2	12	21,600
19	Desiccator cabinet	Microbiology	1	6	12,000
20	Hot air oven microprocessor control	Microbiology	2	12	24,000
21	Digital Standard Lab Bacteriological Incubator	Microbiology	4	24	25,920
22	Vertical autoclave	Microbiology	3	18	32,400
23	High Air Flow sampler with media plate for collection of air sample for bacteriological monitoring of O.T, I.C.U etc.	Microbiology	1	6	18,000
24	Polycarbonate Anaerobic Jar with charges complete (Gas pack)to hold 5-9 plates	Microbiology	3	18	6,480
25	Membrane filter holder with hand held vacuum pump	Microbiology	1	6	14,400
26	Water purification system for ultrapure nuclease free water	Microbiology	1	6	72,000
27	Fully automated Gel Documentation system with UPS back up	Microbiology	1	6	108,000
28	UV/Visual spectrophotomètre	Microbiology	1	6	48,000
29	Gradient Thermal Cyler with stand alone UPS	Microbiology	1	6	72,000
30	Refrigerated centrifuge	Microbiology	1	6	48,000
31	Dry Heating block for PCR	Microbiology	1	6	10,560
32	Gel electrophoresis horizontal with compatible power pack and accessories	Microbiology	1	6	30,000
33	Semi automated ELISA system with washers	Microbiology	2	12	192,000
34	Water bath microprocessor controlled	Microbiology	2	12	16,800
35	Liquid nitrogen cylinder	Microbiology	1	6	48,000
36	Positive pressure pump for tissue culture media prep.	Microbiology	1	6	14,400
37	Binocular Microscopes research complete for faculty and with digital imaging and morphometry soft ware with photographic attachment for each section	Microbiology	1	6	48,000

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
38	Binocular Microscope - Student for UG	Microbiology	100	600	360,000
39	Phase contrast and dark ground microscope	Microbiology	1	6	14,400
40	Incubator BOD	Microbiology	2	12	60,000
41	Automated rapid T.B culture and drug sensitivity detection system	Microbiology	1	6	216,000
42	Lyophilizer	Microbiology	1	6	144,000
43	Automatic Ice Flaking Machine	Microbiology	1	6	51,000
44	Immunoanalyser (Chemiluminescence based) fully automated with UPS back up	Microbiology	1	6	120,000
45	Orbital shaker without incubator	Microbiology	1	6	14,400
46	Table top dispenser	Microbiology	1	6	9,600
47	Anaerobic work station with gas cylinder complete	Microbiology	1	6	90,000
48	Real Time PCR machine with stand alone UPS unit	Microbiology	1	6	360,000
49	Forced Air incubators microprocessor controlled 5-60°C	Microbiology	1	6	17,760
50	Sonicator	Microbiology	1	6	12,000
51	Hybridization chamber system	Microbiology	1	6	30,000
52	Binocular Fluorescence microscope with photography attachment complete	Microbiology	1	6	168,000
53	Refrigerated shaker	Microbiology	1	6	14,400
54	Inverted microscope with phase contrast and epi-fluorescent attachment	Microbiology	1	6	180,000

(2) **Tender No.: HLL/PCD/PMSSY/AIIMS-II/10/13-14**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	19.12.2013 to 27.01.2014, 1000 hrs to 1600 hrs IST
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Limited, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
iii.	Cost of the Tender Enquiry Document	Rs. 5000/-
iv.	Pre Tender Meeting Date & Time	27.12.2013, 1430 hrs IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	28.01.2014, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	28.01.2014, 1230 hrs IST
viii	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on payment of non-refundable fee of Rs 5000/- per set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque, drawn on a scheduled bank in India, in favour of "**HLL Lifecare Limited**" payable at New Delhi.
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be Rs 100/- for domestic post and Rs 500/- for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
5. Tenderer may also download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above.
7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
9. The Tender Enquiry Documents are not transferable.

Head (P&CD)
HLL Lifecare Limited

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

1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers
- (v) "GCC" means General Conditions of Contract
- (vi) "SCC" means Special Conditions of Contract

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

2. Introduction

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

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B

- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

9. Amendments to TE documents

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

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

A) Techno – Commercial Tender (Un priced Tender)

- i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii) Tender Form as per Section X (without indicating any prices).
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer’s Authorisation Form. **While giving authorization to agent , to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**
- v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer’s Authorisation Form.
- vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.

- vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- ix) Certificate of Incorporation in the country of origin.
- x) Checklist as per Section XX.

B) Price Tender:

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

Note:

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

- 11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender. Individuals signing the tender or other documents connected with a contract must specify whether he signs as:
- i. A 'Sole Proprietor' of the firm or constituted attorney of such Sole Proprietor.
 - ii. A partner of the firm ,if it be a partnership , in which case he must have authority to quote & to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney;
 - iii. Constituted attorney of the firm if it is a company.

Note:

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

- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

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

12.3 Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

13 Tender Prices

13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as “NA” by the tenderer.

13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.

13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
- b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
- c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
- d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
- e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
- b) The amount of freight and insurance
- c) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;
- d) Deleted
- e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
- f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;

- g) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- h) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

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

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

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

14. Indian Agent

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

15. Firm Price

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

16. Alternative Tenders

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

17 Documents Establishing Tenderer's Eligibility and Qualifications

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

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

- 18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.
- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.
- 18.3 If a tenderer furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
 - ii) Banker's cheque and

iii) Bank Guarantee

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

20. Tender Validity

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

21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate". Duplicate tenders may contain all pages including Technical Literature/Catalogues as per in Original tenders. Tenders are requested to submit tenders duly page numbered and in a binding form. **Tenders submitted in loose sheets will not be accepted.**
- 21.3 The original and duplicate copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind

- the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.4 All the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 21.5 The tenderer is to seal the original and duplicate copy of the tender in separate envelopes, duly marking the same as “Original”, “Duplicate”, and writing the address of the purchaser and the tender reference number on the envelopes. The sentence “NOT TO BE OPENED” before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as **‘Techno - Commercial Tender’**, and the second part **‘Price Tender’** as specified in clause 11 of GIT. Tenderer shall seal **‘Techno - Commercial Tender’** and **‘Price Tender’** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

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

- (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
- (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
- (vi) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
- (vii) Deleted
- (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
- (ix) Poor/ unsatisfactory past performance.
- (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
- (xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmary/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

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

34. Comparison of Tenders

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

34.2

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

35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:

- i) In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
- ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

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

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

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

- ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L 1 price, in a situation where L 1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.
- iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.

36. Tenderer's capability to perform the contract

- 36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
- 36.2 The above-mentioned determination will, inter alia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

- 39.1 Subject to GIT clause 38 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by the purchaser in terms of GIT Clause 36.
- 40. Variation of Quantities at the Time of Award/ Currency of Contract**
- 40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the “List of Requirements” (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.
- 40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract (rounded of to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract.
- 41. Notification of Award**
- 41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.
- 41.2 The Notification of Award shall constitute the conclusion of the Contract.
- 42. Issue of Contract**
- 42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.
- 42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.
- 42.3 The Purchaser/Consignee reserve the right to issue the Notification of Award consignee wise.
- 43. Non-receipt of Performance Security and Contract by the Purchaser/Consignee**
- 43.1 Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for forfeiture of its EMD and, also, for further actions by the Purchaser/Consignee against it as per the clause 24 of GCC – Termination of default.
- 44. Return of E M D**
- 44.1 The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 19.6.
- 45. Publication of Tender Result**
- 45.1 The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the notice board/bulletin/web site of the purchaser.
- 46. Corrupt or Fraudulent Practices**

- 46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
 - (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	27
B	8 to 10	TE documents	No Change	27
C	11 to 21	Preparation of Tenders	No Change	27
D	22 to 24	Submission of Tenders	No Change	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

**SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)**

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

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

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

SECTION - IV

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

1. Application

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

2. Use of contract documents and information

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

3. Patent Rights

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

4. Country of Origin

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

5. Performance Security

- 5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 30 months from the date of Notification of Award
- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

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

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
- "On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the

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

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

9. Terms of Delivery

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

10. Transportation of Goods

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

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

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

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

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

11. Insurance:

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

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

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

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

12. Spare parts

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

13. Incidental services

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

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

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

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

- Plastic & Glass Parts against any manufacturing defects.
 - All kind of sensors.
 - All kind of coils, probes and transducers.
 - Printers and imagers including laser and thermal printers with all parts.
 - UPS including the replacement of batteries.
 - Air-conditioners
- c. Replacement and repair will be under taken for the defective goods.
- d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.
- 16. Assignment**
- 16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.
- 17. Sub Contracts**
- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of contract

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

19. Prices

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

20. Taxes and Duties

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

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

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

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

b) On Acceptance:

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

B) Payment for Imported Goods:

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

a) On Shipment:

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

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

b) On Acceptance:

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

c) Payment of Indigenous Goods :

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

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

e) Payment of Indian Agency Commission:

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

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

21.4 Irrevocable & non – transferable LC shall be opened by the Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.

21.5 The payment shall be made in the currency / currencies authorised in the contract.

21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.

21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

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

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.

(b) Delay in supplies, if any, has been regularized.

- (c) The contract price where it is subject to variation has been finalized.
- (d) The supplier furnishes the following undertakings:

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

22. Delivery

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

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

22.6 Passing of Property:

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

23. Liquidated damages

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

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

24. Termination for default

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

25. Termination for insolvency

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

26. Force Majeure

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

27. Termination for convenience

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

28. Governing language

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

29. Notices

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

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

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

30. Resolution of disputes

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

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

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

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

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

33. General/ Miscellaneous Clauses

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

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

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

33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION - VI
LIST OF REQUIREMENTS

Part I

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Warranty required	CMC required
1	Ultraviolet/White light transilluminator	Microbiology	1	6	5 years	yes
2	Analytical Weighing Scale – electronics	Microbiology	2	12	5 years	yes
3	Laboratory Autoclave- Microprocessor controlled Stainless steel horizontal	Microbiology	1	6	5 years	yes
4A	Bio safety cabinet Class II A	Microbiology	2	12	5 years	yes
4B	Bio safety cabinet Class II B	Microbiology	1	6	5 years	yes
5	CO2 Incubator	Microbiology	1	6	5 years	yes
6	Micro pipette adjustable, 20ul,50ul,100ul,1000ul capacity	Microbiology	2 each	12 each	5 years	yes
7	Deep freezers -20 to -40 ⁰ C- Vertical; Double door	Microbiology	1	6	5 years	yes
8	Deep freezers -80 ⁰ C- Vertical	Microbiology	1	6	5 years	yes
9	Electronic pipettes digitally adjustable	Microbiology	4	24	5 years	yes
10	Pharmaceutical refrigerators	Microbiology	4	24	5 years	yes
11	Laminar Airflow work station with HEPA filter complete	Microbiology	2	12	5 years	yes
12	Automated tissue grinder(Homogenizer)	Microbiology	1	6	5 years	yes
13	Automated continuous monitoring stand alone blood culture system	Microbiology	1	6	5 years	yes
14	Table top refrigerated centrifuge with accessories with adjustable rotor to hold different size tubes	Microbiology	1	6	5 years	yes
15	Walk-in-cooler 4 ⁰ C (9x8x7 ft)	Microbiology	1	6	5 years	yes
16	All glass distillation apparatus for D.W	Microbiology	2	12	5 years	yes
17	Multi channel pipette 10-50ul, 20-200 ul	Microbiology	2 each	12 each	5 years	yes
18	Laboratory centrifuge	Microbiology	2	12	5 years	yes
19	Desiccator cabinet	Microbiology	1	6	5 years	yes
20	Hot air oven microprocessor control	Microbiology	2	12	5 years	yes
21	Digital Standard Lab Bacteriological Incubator	Microbiology	4	24	5 years	yes
22	Vertical autoclave	Microbiology	3	18	5 years	yes
23	High Air Flow sampler with media plate for collection of air sample for bacteriological monitoring of O.T, I.C.U etc.	Microbiology	1	6	5 years	yes
24	Polycarbonate Anaerobic Jar with charges complete (Gas pack)to hold 5-9 plates	Microbiology	3	18	5 years	yes
25	Membrane filter holder with hand held vacuum pump	Microbiology	1	6	5 years	yes

HLL Lifecare Limited

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Warranty required	CMC required
26	Water purification system for ultrapure nuclease free water	Microbiology	1	6	5 years	yes
27	Fully automated Gel Documentation system with UPS back up	Microbiology	1	6	5 years	yes
28	UV/Visual spectrophotometer	Microbiology	1	6	5 years	yes
29	Gradient Thermal Cycler with stand alone UPS	Microbiology	1	6	5 years	yes
30	Refrigerated centrifuge	Microbiology	1	6	5 years	yes
31	Dry Heating block for PCR	Microbiology	1	6	5 years	yes
32	Gel electrophoresis horizontal with compatible power pack and accessories	Microbiology	1	6	5 years	yes
33	Semi automated ELISA system with washers	Microbiology	2	12	5 years	yes
34	Water bath microprocessor controlled	Microbiology	2	12	5 years	yes
35	Liquid nitrogen cylinder	Microbiology	1	6	5 years	yes
36	Positive pressure pump for tissue culture media prep.	Microbiology	1	6	5 years	yes
37	Binocular Microscopes research complete for faculty and with digital imaging and morphometry soft ware with photographic attachment for each section	Microbiology	1	6	5 years	yes
38	Binocular Microscope - Student for UG	Microbiology	100	600	5 years	yes
39	Phase contrast and dark ground microscope	Microbiology	1	6	5 years	yes
40	Incubator BOD	Microbiology	2	12	5 years	yes
41	Automated rapid T.B culture and drug sensitivity detection system	Microbiology	1	6	5 years	yes
42	Lyophilizer	Microbiology	1	6	5 years	yes
43	Automatic Ice Flaking Machine	Microbiology	1	6	5 years	yes
44	Immunoanalyser (Chemiluminescence based) fully automated with UPS back up	Microbiology	1	6	5 years	yes
45	Orbital shaker without incubator	Microbiology	1	6	5 years	yes
46	Table top dispenser	Microbiology	1	6	5 years	yes
47	Anaerobic work station with gas cylinder complete	Microbiology	1	6	5 years	yes
48	Real Time PCR machine with stand alone UPS unit	Microbiology	1	6	5 years	yes
49	Forced Air incubators microprocessor controlled 5-60°C	Microbiology	1	6	5 years	yes
50	Sonicator	Microbiology	1	6	5 years	yes
51	Hybridization chamber system	Microbiology	1	6	5 years	yes
52	Binocular Fluorescence microscope with photography attachment complete	Microbiology	1	6	5 years	yes
53	Refrigerated shaker	Microbiology	1	6	5 years	yes
54	Inverted microscope with phase contrast and epi-fluorescent attachment	Microbiology	1	6	5 years	yes

Part II: Required Delivery Schedule:

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

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

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

b) For Imported goods directly from foreign:

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

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

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

Note: Deleted

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

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

Destination/Consignee details are given in Section XXI

Section – VII

Technical Specifications

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

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

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

TECHNICAL SPECIFICATIONS

Schedule no. 1

Ultraviolet / white light transilluminator

Specifications:

1. Stainless Steel Filter Frames
2. Long life filters quality, stainless steel filter frame resistant to chemicals and scratching.
3. The epoxy painted body should be chemical resistant
4. High / Low intensity
5. Filter Size and viewing area for UV: 20 x 20cm
6. Viewing area for white light: 20 x 20cm
7. UV Tube: 6 x 15 W
8. Wave Length: 254nm / 312nm / 365nm
9. Hinged UV safety screen
10. UV-protective goggles (1 set) to be provided

Schedule no. 2

Analytical Balance

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 balance 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
- 3.2 Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself
- 3.3 Auto zero Setting
- 3.4 Weighing capacity up to 200g
- 3.5 Readability 0.001g
- 3.6 Repeatability 1mg or less
- 3.7 Setting time 1.5 second
- 3.8 Suitable for internal and external adjustment weights
- 3.9 Balance should have: Facility for user administration and password protection.
- 3.10 Balance should have
 - i. Liquid Crystal Display (LCD) for display
 - ii. Stainless steel square weighing pan
 - iii. IR sensors for hands free operation
 - iv. warns if balance is not correctly leveled
 - v. automatic and detachable draft shield

- vi. Detachable and adjustable terminal
- vii. including user administration and password protection
- viii. Integrated automatic safety function for external routine operations
- ix. Alphanumeric data entry of 4 ID's

4 System Configuration Accessories, spares and consumables

4.1 As specified

5 Environmental factors

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

5.2 The unit shall be capable of 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.

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

6.3 Resettable over current breaker shall be fitted for protection

7 Standards and Safety

7.1 System should be US FDA or European CE approved.

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

7.3 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.

Schedule no. 3
Microbiological Autoclave (Horizontal)

Specifications:

1. Single door, horizontal Rectangular High Pressure Microprocessor Controlled Microbiological Sterilizer.
2. Fully automatic, Steam jacketed suitable for operation on electricity.
3. Should have pre-selected programs and at least five variable program slot which should be adjustable as per our requirements
4. The unit should have third party certification for all the below given standards
 - a) European 'CE' or USFDA
5. Chamber Capacity: 300 - 400 liters
6. The working temperature range of 110 °C - 134°C and user should be able to set the desired sterilization temperature and sterilization time (10 minutes onwards) in the increment of one unit. This required particularly sterilization of culture media special at 110°C for 10 minutes and 121°C for 20 minutes.
7. The chamber, jacket, door and pipes should be made of stainless steel AISI 316 quality.
8. The door should have two locks, one automatic and one manual.
9. Front and side panels should be made up of AISI 304.
10. The chamber should be supplied with two rails made up of AISI 316 for easy loading and unloading. A long steel handle should also be supplied to pull out hot sterilization carriage.
 - a) Pull out trays/ Tanks (2 pieces), floor loading carts and transfer carriages should be made up of AISI 316. Pull out tray/Tank in the chamber should have raised edges to protect against solution spillage during sterilization
 - b) The provision of locking the trolley as well as the carriage should be present.

- c) Loading cart should have a coupling system for connecting and disconnecting with the loading and unloading system of sterilizer.
11. The digital display at front panel will show the following parameters:
 - i) Chamber temperature
 - ii) Cycle no.
 - iii) Batch no.
 - iv) Time & Date
 - v) Alarm indicator
 - vi) Error code
 - vii) Low water indicator
 12. Inbuilt boiler made of AISI 316 with low water protection system
 13. Inbuilt or External Printer to record dates, time, load, identification no. and operating parameters i.e. temperature and holding time etc.
 14. Compatible Water softener / RO based water purification system to feed autoclave.
 15. The system should be able to work at 3 phase
 16. Installation should be on turnkey basis. Following will be the terms and conditions:
 - a) Water, electrical connection cable and drain outlet will be made available by the department. The supplier shall be responsible for arranging rest of the things for installation and smooth functioning of the equipment.
 - b) Any civil work including flooring, tiling, plaster paint work or wood work, required for installation of autoclave shall be the responsibility of the supplier.
 - c) Following shall be provided by the supplier along with machine
 - i) Two sets of operating manual.
 - ii) Two sets of circuit diagram.
 - iii) Service manual.

Schedule no. 4 A

Biosafety cabinet CLASS II A

1. The system should be microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.
2. Motor must automatically adjust the air flow speed to ensure continuous safe working condition. Air flow shall be as per requirements of Biosafety regulations in respect of at least BSC II A level cabinet.
3. The cabinet noise level must be less than 65 decibel..
4. Dimensions (Cabinet Size): 4 to 6 feet. The interior of the cabinet shall be of stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users.
5. Efficiency of HEPA filter should be almost 99%
6. In order to ensure consistent and reliable down flow velocity across the supply HEPA filter over the life of the cabinet, the cabinet must use a pressure sensor (rather than anemometer) to detect pressure drop across the supply filter, rather than in just one point across the down flow. The pressure sensor must be encased in order to protect the sensor from temperature, humidity and other environmental phenomena that can impact the sensor's performance.

7. Fluorescent lamps for lighting of the interior of the cabinet. Front of the cabinet preferably be angled to help minimize glare..
8. A provision for UV light to disinfect the interior of the cabinet. UV light must be programmable to allow for specific exposure time from 0 to 24 hrs. Automatic UV switch 'OFF' on opening of front window. The front window should be made of laminated safety glass to protect against leakage of UV rays and to ensure containment of potential hazardous material.
9. Safety alarm / safety display for:
 - Low air velocity
 - Faulty exhaust fan etc.
10. Power input to be 220-240 V AC, 50 Hz fitted with Indian plug.
11. Should meet NSF standards. Should be US FDA or European CE approved.
12. Movable stands
13. Warranty should cover UPS and batteries.
14. Calibration certificate shall be provided at the time of installation in respect of all the parameters that require calibration.

Schedule no. 4 B
Biosafety Cabinet CLASS II TYPE B2

1. The system should be microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED / LCD display to ensure the user knows whether or not the cabinet is working under safe operating conditions.
2. Motor must automatically adjust the air flow speed to ensure continuous safe working condition. Air flow shall be as per requirements of Biosafety regulations in respect of at least BSC II B level cabinet.
3. Cabinet of bio safety Class II Type B2 specification
4. Minimum internal dimensions (W x D x H) should be 900X500X600mm
5. Base stand of minimum 75 cms in height
6. Well illuminated preferably stainless work surfaces
7. Sliding window that can be opened to insert & remove larger equipment.
8. Microprocessor based controlled system to supervise operation of all cabinet functions
9. Alarm/check system to trigger in case of safety failure

10. Fluorescent lamps for lighting of the interior of the cabinet. Front of the cabinet preferably be angled to help minimize glare.
11. A provision for UV light to disinfect the interior of the cabinet. UV light must be programmable to allow for specific exposure time from 0 to 24 hrs. Automatic UV switch 'OFF' on opening of front window. The front window should be made of laminated safety glass to protect against leakage of UV rays and to ensure containment of potential hazardous material.
12. Safety alarm / safety display for: Safety alarm / safety display for: Low air velocity, Faulty exhaust fan etc.
13. Electrical requirement 220-240V AC, 50Hz with Indian type plug
14. Down flow ULPA filter efficiency >99.999% at 0.1 to 0.3 microns
15. Exhaust HEPA filter efficiency >99.99% at 0.1 to 0.3 microns
16. Exhaust to the outside environment via dedicated ducting
17. Provision for gas burner fitting
18. Adjustable ergonomic lab chair supplied with the system
19. Comprehensive user's manual with a report documenting all test procedures
20. Onsite installation and training for operating the equipment
21. Should meet NSF standards. Should be US FDA or European CE approved.

Schedule no. 5 **CO₂ Incubator**

1. Specification:

- Air heated/**Direct Heat** with internal capacity **120 L to 200 L**
- Minimum of 4 adjustable shelves (or as per user requirement) with separate air tight doors should be available.
- Interior chamber: Stainless steel for easy cleaning and decontamination
- Stable temperature control, excellent uniformity, and rapid recovery with no overshoot. Convection circulation to provide chamber homogeneity, eliminate vibration & reduce sample evaporation.
- HEPA Filters (99.98% efficient) at the inlet to minimize contamination.
- Temperature range: **+5° C above ambient** to +80°C
- Temp Accuracy +/-0.5°C of required temp, with inbuilt Temperature Sensor.
- Audiovisual Alarm to Indicate when temperature deviates more than 0.5°C from set point, and when program or time has finished, Alarm may be muted.
- 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.
- Internal glass door for the observation
- CO₂ Range- 0-20%; CO₂ Accuracy: 1- 0.5%; CO₂ Inlet pressure 1.5 bars (app) and fast recovery after opening door.

- Compensation: Temperature compensation @ 0.5 ° C min and CO₂ Compensation up to 5 % +/- 0.5% in 5 minutes.
- High Humidity Chamber to achieve 95% RH, minimizing sample evaporation. Independent door heater to eliminate condensation on inner glass surfaces should be available.
- 72-Hour Data Storage or **External data logger** for continuous data monitoring for CO₂ concentration, temperature alarms and door openings should be automatically recorded for on-screen display.
- Data output for data acquisition and printing.
- PC Connectivity through RS232C
- Communication protocols HL-7 for Networked environments to HIS
- Interior lighting facility, insulated door fitted with heavy hinges handles locking, mechanical door lock.
- Low water alarm indication
- On castors for easy movements

2. System Configuration Accessories, spares and consumables:

- System as specified-
- CO₂ cylinders 2 nos. (capacity at least 30 kg) with regular (at least one) compatible to machine part

3. Environmental factors:

- i. The unit shall be capable of operating continuously in ambient temperature of 10 -45°C and relative humidity of 15-90%.

4. Power Supply:-

- Power input to be 220-240VAC; 50Hz fitted with plug, compatible with local electrical socket
- Resettable over current breaker shall be fitted for protection
- Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

5. Standards and Safety:-

- i. Should be compliant to ISO 13485/ISO 9001 quality systems or equivalent
- ii. Should be compliant with IEC 61010- I: covering safety requirements for electrical equipment for measurement control and laboratory use.
- iii. Should be US FDA or European CE approved product
- iv. 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.
- v. Comprehensive onsite training for lab staff and support services till familiarity with the system.

6. Documentation:

- Certificate of calibration and inspection from factory.
- 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 costing
- User / technical / maintenance manuals to be supplied;
- 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.
- Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue.

Schedule no. 6

Micro pipette adjustable 1 – 2.5 µl, 0.5 – 10 µl, 2-20ul, 10-100ul, 20 – 200 µl, 100-1000ul capacity(Manual)

Specifications:

1. Fully autoclavable
2. Accuracy in measurement
3. Ejector should ensure safe eject contaminated tips, positioned for perfect ergonomics
4. Precision in control, spring loaded tip cone
5. One-button operation for aspiration, dispensing and tip ejection
6. Volume setting automatically locks
7. Chemically resistant
8. 4-digit display
9. Accuracy: +/- 1% for all
10. Calibration certificate should be provided with the supply.
11. Disposable tips 5000 each volume.
12. Should be supplied with tips holder rack & pipettes stand

Schedule no. 7

Deep Freezer (-40° C)

A. Specifications:

Ultra Low Temperature Freezer – with operating temperature of (-40) Deg C having internal volume approximately 400 Litres, External casing should be powder coated galvanized sheet metal, non corrosive.

B. Main Features:

Stainless steel **or steel** with 4 lockable castors

Heated door sealing, lockable doors.

Five Drawers or compartments each with separate inner doors for better sample protection through minimum sample warming

Adjustable shelves.

Polyurethane Insulation minimum of 70mm for better thermal insulation and sample safety in case of power failure.

C. Refrigeration:

- i. Refrigeration – CFC and HCFC free.
- ii. Cooling system with hermetic compressor & cascade compressor

D. Control Unit:

Microprocessor controlled.

Temperature deviation of maximum +/-3°C

Ambient temperature: 16 to +32°C.

Actual temperature display with at least 20mm LED display for better visibility.

Key Board lockable Battery Powered.

Optical and acoustical alarm system for high and low temperature.

Voltage stabilizer.

E. Should be US FDA or European CE approved product

Schedule no. 8
Deep Freezer(-80°C)

TYPE: Upright

CAPACITY: 650 – 750 Litres

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

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

1. Fully programmable microprocessor controlled with membrane keypad and eye level control panel.
2. Construction should be of thin vacuum insulation panel
3. System should have Stainless steel interior and tough, powder coated exterior finish.
4. Freezer should have 3 or more Compartment with two or more adjustable height stainless steel shelves
5. Freezer should have the sample (2" vials) capacity of 50,000 or more.
6. Freezers should have heated air vent and front panel air filter.
7. Freezer should be quoted with CO₂ Backup along with CO₂ cylinder.
8. Heavy duty lockable castors and lockable outer doors.
9. Freezer must have battery back - up and set point security through password protection for preventing unauthorized tampering.
10. Freezer must have interface data logging port and it must also have on board diagnostic software.
11. Freezer must have three or more compartments with inner doors for easy handling of samples.
12. Audible and visible alarms for temperature, power failure, system failure, battery low etc. and it also have remote alarm port for connection to an auto dialer.
13. Freezer must use CFC-FREE, HCFC-FREE non flammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed cascade refrigeration system.
14. External or internal voltage stabilizer should be provided so that Compressor should be capable to run any voltage between 190 – 270V. Manufacturing site for the freezer must have ISO 9001 standard quality test requirements and IEC 61010 electrical safety.
15. The unit should be US FDA or European CE approved.

Schedule no. 9

Electronic pipettes digitally adjustable

Specifications:

1. Routine pipetting; Optimal ergonomics, light weight
 2. It should be precision and reproducibility, which means no more delays due to complicated programming or inflexible processes, maximum reproducible results.
 3. It should be able to work on 220-240 volt, power supply
 4. Fatigue-free work and consistent, full control over the pipetting processes
 5. Multi-function rocker
 6. Function control softkeys; Selection dial
 7. It should have Separate power socket; Practical charging contacts
 8. Should have standard display with simple menu navigation
 9. Rechargeable battery
 10. Ergonomic display angle
 11. After tip ejection, the piston automatically returns to zero position
 12. Volume- 10 -1000ul
 - All functions at a glance and easily selectable and Optimal readability in every position
1. Accuracy: +/- 1%

13. Should be supplied with 5000 tips, holder rack & pipettes stand.
14. Calibration certificate should be provided with the supply

Schedule no. 10

Pharmaceutical Refrigerator

1. Capacity (as per user requirement) 350-400 Litres.
2. Temperature 2-8° C.
3. Preferably **roller or caster** mounted.
4. Adjustable shelves.
5. Battery backup **for display and alarms**
6. Durable rust free exterior.
7. Durable interior.
8. Control panel with temperature alarm, on/off switch and digital thermometer.
9. Interior lighting, **auto or manual** defrosting arrangement
10. Adequate circulation of air to ensure even cooling
11. Door with lock.
12. Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display.
13. Electronic automatic temperature control,
14. Operable at 220 V, 50 Hz, single phase AC supply.
15. Compressor unit to be hermetically sealed with guarantee for at least five years.
16. Should have all the accessories required for the functioning of the equipment.
17. All electrical peripherals required for smooth functioning e.g. voltage stabilizer provided with the equipment.
18. System should be US FDA or European CE approved.

Schedule no. 11

Vertical Laminar Flow Bench With Hepa Filter

1. Dimension of the system (W x D x H mm)
 - a. Inner dimension: 1200 X 600 X 650 mm
 - b. Outer dimension: 1320 X 905 X 1900 mm
2. Should have an approximate air volume capacity of 1350m³/h
3. Should have microprocessor controlled electronic circuitry
4. Should have LCD display to show measured parameters like Stage velocity, total using time, UV/FL lamp on/off
5. The air purification should be done through class 100 HEPA filter, with 99.97%, 0.3 um particle removal
6. Should have a pre-filter of 3-30 um particle removal, and it should be recyclable
7. The cabinet should give class 100 purity
8. Should have a wind velocity of 0.35-0.50 m/sec
9. Should have UV lamp 40 W x 2 EA, FL lamp 40 W x 2 EA
10. Material of construction
 - a. Inner - Stainless steel
 - b. Outer - Powder coated steel
11. Door should be made of tempered safety glass sliding door **or glass wind screen**
12. Utility device - air cock, gas cock
13. Electricity Supply - 220 V, 50/60 Hz

14. Ensure noiseless operation and anti-vibration construction provides efficient working environment.
15. Filter replacement warning signal.
16. Should be FDA or CE or BIS approved product
17. Should meet NSF standards

Schedule no. 12 **Automated tissue grinder (Homogenizer)**

Specifications:

1. Should be useful for disrupting a broad range of tissue.
2. It should be used for homogenizing the volumes of 250ul to 10 ml (H₂O) and speed upto 24000 rpm
3. Should provide gentle disruption of tissues without damaging the subcellular structures. The stirrer motor should have electronic speed controller
4. The pestles and tubes should be chemically inert, resilient and autoclavable. They should have smooth and non-wettable surface
5. It should have pulse mode to process heat-sensitive samples; accelerate chemical and enzymatic reactions 0 to 15-minute timer
6. Power 220V AC/ 50Hz
7. Should include all accessories including support stand, replacement interface washers, and tip wrenches: Should include sets of different pestles and tubes.

Schedule no. 13 **Automated Blood Culture System**

- 1. Description of System:**
Micro organism culture is required to be done on blood and body fluid. A sample is inoculated into liquid media and is incubated in a controlled environment for one to seven days.
- 2. Operational Requirements:**
Fully Automated System capable to culture micro organisms
- 3. Technical Specifications**
 - i. Should work on non radiometric technology
 - ii. System should have in built calibration check, touch screen monitor. Should have LIS compatibility
 - iii. Should have modular design which is upgradeable and should be FDA approved
 - iv. Should be able to monitor the growth of organisms continuously in each cell. The media bottles should have the capacity to neutralize antibiotics
 - v. System should be capable of exporting data to the data management system for long term storage and should have the facility to analyse delayed soecimens with the routine bottles
 - vi. Should be able to grow aerobes, anaerobes and fungi.
 - vii. Capacity: 400 bottles
 - viii. Should include Data management system and software to analyse and store the data

- ix. Should have the capability for continuous monitoring of the samples for growth of organisms in each cell and have the capacity to generate hard copy of each growth kinetics.
- x. Easy to use software for patient information, entry and storage. Long term data storage facility, tracing patient by name, id hospital registration number.
- xi. Should have in built incubator with facility for decontamination.

4. System configuration, Accessories, Spares and Consumables:

- 1. System as specified
- 2. All consumables required for installation and standardization of system to be given free of cost.

5. Environmental Factors

- 1. The units shall be capable of being stored continuously in ambient temperature of 0 - 50°C and relative humidity of 15-90%.
- 2. The units shall be capable of being operating continuously in ambient temperature of 10 - 40°C and relative humidity of 15-90%.

6. Power Supply

Power input to be 220 to 240VAC, 50 Hz fitted with Indian Plug.
Resettable over current breaker shall be fitted for protection
Suitable UPS with maintenance free batteries for minimum one hour backup should be supplied with the system.

7. Standards and Safety

- 1. Should be compliant to ISO-13485 Quality Systems medical devices particular requirements for the application of ISO-9001 applicable to manufacturers and service providers that perform their own design activities.
- 2. Comprehensive training for Lab Staffs and support service till familiarity with the System.
- 3. Electrical Safety conforms to standards for electrical safety IEC-60601/IS 13450
- 4. Should be FDA/ CE/ ISI approved product.
- 5. Five years warranty, five years comprehensive AMC should be available with service centres in close proximity.

8. Documentation

- 1. Certificate of Calibration and inspection from Factory.
- 2. Compliance report to be submitted in a tabulated and pointwise manner clearly mentioning the page or para number of original catalogue
- 3. List of equipments available for providing calibration and routine maintenance support as per manufacturer documentation in technical/ service manual
- 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.
- 5. List of important spare parts and accessories with their part number and costing.

Schedule no. 14

Refrigerated Centrifuge

1. High Speed Refrigerated table top centrifuge, microprocessor controlled, freely programmable, spin control comfort with LC graphic display screen (for centrifugation in angle rotors, swing-out rotors and microtiter plate rotors)
2. Max speed: Atleast 14,000 rpm
3. Temperature: **-10** to +40°C, CFC free refrigeration
4. Single knob operation (**simple keypads**)
5. Maintenance free, noiseless, brushless induction motor drive.
6. Pre-selection of run parameters in terms of rpm and rcf
7. Pre-selection of from **1 min to 99min or continues**
8. Acceleration and deceleration curves – **9 each**
9. **Atleast 9** freely programmable Accel/Deaccl. curves with graphic display
10. Storing of at least **5-10** run protocols
11. Free programming of all parameters
12. Self diagnostic error messages and alarms
13. Magnetic rotor identification & imbalance sensor
14. Motorized lid lock and inter lock
15. Operates on 230V/50 Hz
16. Angle rotor 10 x 10 ml
17. Angle rotor 24 x 2.0/1.5ml
18. Angle rotor 6 x 50ml. (Falcon)
19. Adapter for 1 x 15 ml culture tubes (set of 2) & adapter. 0.2/0.5/0.8 ml eppendorf tubes
20. Swing out rotor 4 place with MTP.
21. Should be US FDA or European CE approved product.

Schedule no. 15

Walk in Cooler

1 Description of Function

- 1.1 Walk in Cooler is required to store Biological product at a temperature between 2 deg to 8 deg C.

2 Operational Requirements

- 2.1 To be constructed of prefabricated, modular complete with floor and ceiling panels, mounted on a flat, solid concrete base. The vaccine cold store must provide total, 24-hour, all-season reliability under all conditions for the stored materials
- 2.2 All refrigeration machinery must be provided with 100% standby capacity, with duplicate, independent controls, pipe work, instrumentation and machinery, to provide against failure of the primary system. Automatic changeover and starting of the secondary system is to be provided, activated by thermostatic or electrical control.
- 2.3 Recommended spare parts kits to provide normal operation, provision of a service contract covering routine and emergency maintenance requirements, and details of installation-

commissioning and guarantee-period charges are each to be stated as separate items in the tender price quoted.

3 Technical Specifications

- 3.1 Internal Temperature : +2 deg to +8 deg C adjustable (i)during 43 deg C continuous ambient(ii) 32 deg continuous ambient (iii) 45/05 deg C day/night cycling temperatures
- 3.2 Fabrication: Outer and inner: PVC sheet coated (minimum thickness 70 micron), made of galvanized steel panels double wall having minimum thickness 0.6 mm each. Panel shall have minimum 100 mm insulation material as specified sandwiched between two walls.
Dimensions- Internal Height of 2.4 m. Cooler Dimensions 9feetX8feet
Flooring: 1st layer: 75 mm cement concrete (dimensions suitable to the size of cold room); 2nd layer: of specified insulation of suitable thickness to meet the requirement of specified performance parameter of minimum 8 hrs hold over time; and 3rd layer of 6mm (minimum) Aluminum checker plate. The floor should be capable to support load of 250 kg/m².
- 3.3 Insulation: CFC-Free Urethane foam or extruded polystyrene foam core bonded sandwiched between two galvanized steel sheet having minimum thickness 100 mm for WIC larger than 40 cum capacity and 80 mm for less than 40 cum capacity, density of not less than 40 kg/m³ and having a thermal conductivity of 0.17 W/m²k or better for hot zone climate. The insulation should be suitable for maintaining 8 hrs hold over time at 43°C ambient temperature.
- 3.4 Door with frame heating heavy duty lock with internal safety release, shelving system and plastic curtains on the door way. Door to cold rooms to be lockable with 100% fail-safe provision for opening from inside. Entrance door shall have an incandescent vapor-proof light mounted on the interior of the door section. The door dimensions will be 34'' to 40''(W)x72'' to 80''(H). Internal ceiling-mounted tungsten filament lighting with an external switch and pilot light should be provided. The external light and light switch must be fixed to the wall of the cold room enclosure near to the entrance door. The minimum illumination level on the vertical face of the lowest shelves must be 150 lux. The lighting should be evenly distributed inside the cold room.
- 3.5 Dual Refrigeration system (100% standby) air cooled refrigeration units, split type, automating defrosting (electric or hot gas) CFC free refrigerant. Tropicalized units suitable for ambient temperature up to 45 deg C.
- 3.6 Wall mounted seven days digital thermometer of 4 digits LCD/LED Display with data logging capability of 7 days with suitable printer for report generation with remote sensor.
- 3.7 High and Low temperature alarm unit.
- 3.8 Condensing unit(s) to comprise compressor, forced air condenser, oil separator, liquid receiver to carry full charge, filter/dryer with flare connections, service and isolating stop valves, high and low pressure dial gauges and oil level sight glass.
- 3.9 Storage conditions to be maintained at + 6 deg C \pm 2 deg C continuously, control by thermostat on each cold room, condensing unit(s) fitted with high and low pressure cutouts, time-operated electric defrost control and compressor motor overloads.
- 3.10 Cold room(s) to be fitted with locally made/manufactured, running adjustable (slatted shelves will be preferred) shelves 600 mm wide at 600 mm spacing; four shelves above the ground all around the wall and intermediate shelves should be placed suitably. The total area covered by shelves should be at least 42% of the ground area. There should be a minimum 900 mm distance in between two intermediate racks, to facilitate the movement of men and material. The final drawing of the room with shelves will have to be got approved from the authorities after placement of NOA. The material of the shelves should be non corrosive medical grade stainless steel to take load of at least 20 kg/sq.foot. The top face of the lowest shelf must be mounted 200 mm above the floor. Shelving must be washable.
- 3.11 Evaporators to be forced-draught, electric-defrost, ceiling-mounted units with fitted condensate drip tray and drain connection.

- 3.12 The room should be fitted with a pressure release vent which should open and allows enough outside air to enter and rebalance any pressure difference.
- 3.13 Voltage stabilizer broad specifications:
KVA Rating : As suitable.
For single phase Input Voltage 160-260 V AC 50 Hz and output 220-240 V AC 50 Hz
For three phase : Input Voltage 275-440 V 50 Hz ;Output : 400 V+/- 1%, 50 Hz. Three phase f our wires (for more than 16.5 cum capacity cold room)
Common Specs:
3-4 sec cut off and 2 minutes restart delay. Facilities for manual control of output. Arrangements for direct supply bypassing the stabilizer in case of failures, voltmeter and indicators on front panel, suitable safety and protection devices. Quick start arrangement for bypassing restart delay
The voltage stabilizers would be one but should be able to run both the working and stand by units simultaneously.

4 System Configuration Accessories, spares and consumables

- 4.1 System as specified-
- 4.2 Recommended Spare parts kit for operations should be quoted. The quote should include the following components in one kit:
evaporator/condenser fan motor; Compressor: capacitor; contactor; auxiliary relay; defrost timer; dual pressure switch; thermostat; drier; control switch; fuse, automatic,transformer, high pressure switch and any other recommended item.
- 4.3 Special l service tools for cold/freezer rooms should be quoted for refrigeration unit for non CFC refrigerant used. The quote should include: leak detector; serviceman's kit in special case (R-134a or R404 or other non CFC refrigerant), including valves, hoses and manometers; refrigerants cylinder (R-134a or R404 or other non CFC refrigerant)),12 kg; compressor oil to be used with (R-134a or R404 or other non CFC refrigerant)

5 Environmental factors

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 5 to 45 deg C and relative humidity of 15-90%
- 5.2 Complete installation to be done by the supplier inclusive of installation of stabilizer, drainage system and assembly of the panels and installation of refrigerator units, data logger, and complete earthing and smoke evacuation system, including all civil, electrical and all other related work required for installation.

6 Power Supply

- 6.1 Power input: 220-240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz Three phase fitted with appropriate Indian plugs and sockets.

7 Standards, Safety and Training

- 7.1 Electrical and refrigeration components and the panels should have national or international approvals like UL, NSF or BIS.
- 7.2 Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
- 7.3 All operational and maintenance training to the end users after successful installation and commissioning.

Schedule no. 16

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. Metal stand.
11. Automatic cut off device or safety control module.
12. Power input to be 220-240 VAC, 50 Hz.
13. Manufacturer should have ISO & CE certification for quality standards.

Schedule no. 17

Multi Channel Pipettes

1. Light weight electronic Pipette for high Professional Standards that provide optimal support in work
2. Only one multi function rocker for liquid aspiration & dispensing.
3. Piston should automatically return Zero position when tip is ejected.
4. Spring loaded tip cone that provide maximum tightness with minimal attachment force.
5. Pipette should have Li-Polymer battery that provides long service life without charging (maximum of 8 hours without charging)
6. Pipette should work continuously while charging.
7. Parameters should be in the same position regardless of the mode
8. Provision to autoclave the lower parts
9. Should have provision for removing individual channels (in Multichannel Pipette) to adjust the distance between channels.
10. Should have adjustable volume range from 10 – 100 uL & 30 ul – 300uL – 2 each Should be supplied with 1000 disposal tips for all.
11. Should have Documentation Certificate of calibration and inspection from factory.

Schedule no. 18

Laboratory Centrifuge

1. Speed up to 6,000 RPM
2. Automatic rotor identification 45° angle type
3. Heavy duty brushless induction motor for low vibration and noise < 65 dB
4. Presetting of speed and time and 0-99 minutes digital timer
5. Safety lid interlock
6. Digital speed indication
7. Digital indicator cum controller
8. Dynamic break and imbalance detector with cutoff
9. Rotor for 8 x (5-15 ml tubes) with appropriate tube adapters
10. Rust proof stainless steel inner chamber
11. To work on 220 volts AC, 50 cycles
12. To be supplied with suitable servo controlled stabilizer
13. Should be US FDA or European CE approved product

Schedule no. 19

Dessicator Cabinets

Specifications: -

1. Made of clean strong 3mm thick polymethyl methacrylate resin
2. Rubber door gasket ensures airtight seal
3. Removable shelves on brackets
4. Tall cabinet height of 50 cm and depth 30cm
5. Clean tray with vent holes

Schedule no. 20

Hot Air Oven

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 at least 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 0 -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)
- 7 Standards, Safety and Training**
- 7.1 System should conform to IS:6365-1971(Reaffirmed 1995) with latest amendments in ISI specifications for Laboratory Electric Ovens. Alternatively System should be FDA Approved or CE Certified.
- 7.2 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-3450
- 7.3 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.

Schedule no. 21

Incubator

A. 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: +5° C to 80°C
12. There should be a Membrane Keypad with LCD/LED to set and display operating parameters, current status, running time and alarm conditions for time and temperature.
13. Interior lighting facilities, insulated door fitted with heavy hinges handle locking, mechanical door lock.

B. Power Supply:

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

C. Standards:

1. Should be European CE or US FDA approved product.

Schedule no. 22

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 121⁰C
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

Schedule no. 23

High Air Flow Sampler

Specifications:

1. Must comply with latest International Standards
2. Ensures positive and consistent results
3. Fully Stainless Steel construction
4. Electronically controlled
5. Air Flow Rate: 100 lit/min
6. Air Velocity is 0.45 m/sec
7. Horizontal aspiration (laminar), the air impact speed to the culture medium is 20m/sec.
8. Table speed: 1rpm
9. Blower motor: ¼ HP
10. Supply: 230V,mains A/c
11. Time (Selection): 0 to 999 sec.

12. Autoclavable metal top
13. Collection method: Sieve impaction
14. Plate size: standard plate (100 mm)
15. Exchangeable battery pack remote operation: 7 Hours
16. Mains charger: 240 Volts AC
17. Anodized aluminum housing
18. Norm threaded hole for camera tripod
19. Autoclavable perforated lid
20. Programmable start-delay function (1 to 60 minutes)
21. Preprogrammed collection volumes; 10,20,50,100,200,250,500,750 and 1000 liters
22. 1 volume of choice programmable
23. Adjustable sampling head (any angle between horizontal and vertical)
24. Factory calibrated (with certificate) with in house Calibration Facility
25. Should be USFDA or CE or BIS certified

Schedule no. 24

Polycarbonate Anaerobic Jar

Specifications: -

1. Transparent, unbreakable polycarbonate jar
2. Capacity:3-4lits
3. Sturdy, aluminum lid with clamp and sealing ring with built in safety features
4. Pressure valve with safety valve and two way pressure gauge
5. Vendor should supply the chemical charges for the jar for 50 tests

Schedule no. 25

Membrane Filter Holder With Hand Held Vacuum Pump

Specification

1. Double hand operated vacuum pump with gauge monitor.
2. Trigger release disassemble for repair.
3. Sealed unit with self lubricating
4. Pump pressure 1lb
5. It should include PVC tubing
6. The reusable filter holders should be of autoclavable and transparent material, with membranes in place.
7. Holder should have upper chamber for vaccum/pressure filtration.
8. Independent locking rings to seal upper chamber to receiver funnel without damaging the membrane
9. Chamber should be able to accommodate 47mm size membrane and should have three ports for adding samples
10. It should accept syringe filter
11. Two year warranty on motor.

Schedule no. 26

Ultra pure (Nuclease free) Water Purifications System

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
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. Unit should be FDA/CE approved

Schedule no. 27

FULLY AUTOMATED GEL DOCUMENTATION SYSTEM

Specifications:

1. Camera Specifications :
2. Full 16-bit CCD cool Camera with micro lens
3. Pixel resolution : 1344 x 1024 or better
4. Noise Should not more than 50 dB

5. Zoom lens: 10 mm -100mm, High efficiency Diopter lens
6. Multi-Channel image display facility
7. It should have chemiluminiscence, Fluorescence, Colorimetry/densitometry and gel documentation.
8. Dark chamber Specifications :
9. ChemiImaging system, Built in Motorized better wheel with touch pad control and virtual controls through software
10. UV Transilluminator with even scans, imaging area approx. 20 x 25 cm with white light imaging facility
11. Dual Epi-white, Dual Epi-UV light & Chroma Blue light illumination
12. Softwares Specifications : should be part of the equipment and should have features for Imaging, Acquisition, Archiving, Enhancement, Printing Security, Array, pl & Rf analysis, Spot -2D Denso analysis, Colony Cell, GFP & Yeast counting, Micro titer plate analysis, Q-PCR, Ruler, Object Distance measurement, Fluorescence microscopy Imaging, Gel scoring and Movie Mode, RFLP finger printing, Dendrogram analysis with Data Base Capability for multiple gels etc.
13. Printer Specifications : High throughput compatible Laser Printer
14. Compatible online UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.
15. With advanced latest version of compatible computer
16. Power 220-240 V; 50/60 Hz
17. Should accommodate a wide range of samples like polyacrylamide gels to agarose gels and blots.
18. The supplier should provide comprehensive training and support services to users on operation of the instrument, software and application support in India onsite as per specifications.
19. Scratch proof gel cutting sheet – 01No

Schedule no. 28

U.V/Visual Spectrophotometer

1. Minimum Sample Size: 0.5 microlitre
2. Path Length 1 mm
3. Light Source(s) Xenon
4. Detector Type CCD
5. Wavelength Range 230-900 nm
6. Wavelength Accuracy 1 nm
7. Spectral Resolution of 2-3 nm
8. Absorbance Precision of 0.002 – 0.003 0.003
9. Absorbance Range: 0.0 – 2.0 A 0.002 – 1.5
10. Sample detection limit: 0.5-1.0 ng/microlitre of dsDNA
11. Sample detection for RNA and Protein
12. Maximum sample concentration: 750-1000 ng/microlitre of dsDNA
13. Measurement Time < 5 seconds
14. PC with software Windows XP/2007 or inbuilt LCD Screen
15. System should be US FDA or European CE approved.

Schedule no. 29

Gradient PCR Machine

1. 96-well 0.2ml tube block format
2. Heated lid (at least 105⁰ C)
3. Temperature range 4-99⁰ C
4. Temperature accuracy better than 0.1 - 0.3⁰ C
5. Temperature uniformity across the block better than 0.2 - 0.5⁰ C
6. Sample temperature ramp rate (cooling/heating) better than 1 – 3⁰ C
7. Capable of incrementing/decrementing temperature and time at each cycle
8. Gradient temperature range at least 40-75⁰ C
9. Inbuilt LCD color display or attached computer to display and set parameters
10. At least 200 protocol memory on board, storage extendibility by USB memory stick.
11. Should be US FDA or European CE approved product.

Schedule no. 30

Refrigerated Microcentrifuge

1. High Speed Micro centrifuge with LCD/LED Display Screen, Microprocessor controlled
2. Max speed: 13,000- 14,000 rpm. Max RCF : approx 20,000- 22,000 x g
3. Temperature range: -10 to 40°C
4. Time selection: 1 min to 59 min or hold
5. CFC - free refrigeration system
6. LCD/LED Display for speed, RCF, Temp. & Time
7. Facility for short run operation
8. Imbalance System & Selectable Acoustic Alarms

9. Soft, Fast Accelerate, Decelerate and break off mode
10. Simple knob operation, or keypads operation
11. Angle rotor Polypropylene 24 x 1.5 ml. or Dual row rotor with same capacity/Volume
12. Polysulfone lid or equivalent
13. Should be US FDA or European CE approved product
14. Adapter for 0.2 ml PCR & 0.5 ml PCR tubes.

Schedule no. 31

Heating Block For PCR

Specifications:

1. Safe dry heat mode blocks with modular design
2. Removable heating blocks
3. Uniform heat distribution
4. Chemical resistant powder coated steel body
5. Precise temperature control [Precision of 0.1 deg C]
6. Temperature control –ambient to 130 deg C
7. The temperature control should consist of
 - Digital heater unit
 - Interchangeable heating block modules to accommodate of variety of sample tube size requirements
 - Blocks with multiple tube size 1.5ml and 2 ml.

Schedule no. 32

AGAROSE GEL ELECTROPHORESIS

1. Gel electrophoresis system (Horizontal) with power pack
2. Horizontal agarose gel electrophoresis apparatus
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

Schedule no. 33

Semi Automated ELISA Reader And Washer

1. ELISA Reader

- i. Should be able to support all plate formats U bottom, V bottom and flat bottom 96-well microplates
- ii. PC based system
- iii. Optical systems: LED lamp/ UV Xenon flash lamp
- iv. Detection: Absorbance based
- v. Reading Time: <15 Seconds for 96-wells
- vi. Wavelength range: 340nm to 750nm or more
- vii. Wave length selection should be double monochromator with 1nm increment
- viii. System should have capability to do qualitative, quantitative, kinetics with any formulae including validation, transformation, factors and floating cutoff
- ix. Absorbance Range: 0- 4 OD
- x. Resolution: 0.001 Abs.
- xi. Accuracy: 1% +/- 0.010 OD
- xii. Repeatability: 0.5% +/- 0.005 OD
- xiii. System should perform self-check before every measurement
- xiv. Power requirements: 220V-50/60Hz
- xv. PC Requirements (All in one PC) : Intel core i7 processor, 4 GB RAM, 2 GB graphic, 1 TB hard disc, Full HD LED monitor 17", DVD writer, Wi-Fi, Wireless key board and mouse, 64 bit and latest version of Microsoft Window, with MS office licensed, Laser Printer (>20pages/min.) >5000pages/refilling of cartridge
- xvi. PC Software packages (windows ® compatible) for on board data analysis

2. Washer

1. Should have un-pressurized liquid system independent from bottle size and type with any type of bottle to be used
2. Dispensing and aspirating needles should be separate
3. Washer should have 8 or 12 channel wash head
4. Should have 2-4 independent liquid channels
5. Wash volume per well should be programmable
6. Should have residual volume of <2ml
7. Should have strip selection option which allows to wash selected strips only
8. The supplier should provide comprehensive training to users on operation of the instrument and application support onsite as per specifications
9. Branded compatible online UPS with at least 30 minutes backup

Schedule no. 34

Water Bath Serological

Useful for dual purpose.

It is a combination of serological and routine rectangular water bath with holes and concentric rings.

1. Standard double wall construction.
2. Inner chamber made out of highly polished stainless steel sheet and exterior made out of thick mild steel duly finished power coated paint.
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. Chamber size in mm & inches L x W x H 300 x 225 x 175 mm Approx Capacity approx 15 ltrs. Approx.
6. Should be CE or FDA or BIS approved product

Schedule no. 35

Liquid Nitrogen Drum

1. The vessel should be lightweight, ideal for laboratory and medical applications.
2. Standard dimensions & shape for ease of handling pouring and use within laboratory.
3. Should be compatible with transport/pouring trolley, tipping stand & roller base
4. Technical specifications:
 - i. Should have a capacity of 30-35 Litres
 - ii. Static Hold Time should be at least 120 days
 - iii. Evaporation Rate should be 0.20 or Approximate Neck tube diameter should be 50mm
 - iv. Liquid withdrawal device should be provided
5. Accessories, spares and consumables as required for running the system
6. Should be CE or BIS approved product

Schedule no. 36

Positive Pressure Pump For Tissue Culture

Specification:

1. Positive pressure filtration pump for membrane filter of 90-100mm diameter
2. Made of S.S with stand.
3. Filter holder made of S.S with stand and able to membrane size of 90-100mm diameter
4. Should have maximum pressure 19 bar
5. Maximum differential pressure 5bar
6. Dimension: height- 16-17.5 cm, diameter 11-12.5 cm
7. Fitting inlets/outlets- 1.4 in mptf with connection supplied for 9.5mm
8. Vent/relief valve 1/8mptf
9. Should work on 220-230V AC

Schedule no. 37

Binocular 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 22)
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. High resolution Digital CCD Camera with resolution: 12.0 mega pixels
13. USB to PC connection
14. 16mm lens
15. Macro viewing tube
16. Calibration slide
17. Imaging Software
18. Instant Image Capturing, Real time full screen image
19. Programmed Interval Captures, Video Capture by Time Settings
20. Easy Measurement Calibration, Measurement in microns, inches, millimetres
21. Length Measurements, Ellipse, Rectangle, Irregular Shape Measurements
22. Perimeter, Radius, Circumference Measurements, Angle Measurements
23. Automatic Image amalgamation
24. Image Adjustment Effects,
25. Microscope, Digital imaging system and software should be of the same brand and same manufacturer to ensure complete compatibility and optimum performance.
26. System should supply with suitable PC and 21" Monitor
27. Should be CE or FDA approved

Schedule no. 38

Binocular Microscope (For students)

1. Student upright Binocular Microscopes (with inbuilt light source & imported achromatic optics)
2. Binocular microscope with universal infinity corrected optical system
3. Halogen / LED light source illumination.
4. Rigid frame with ergonomics design
5. Binocular observation tube with inclination of 45/30 degrees
6. Built in torque adjustable focusing knob
7. Mechanical stage with rigid hand coaxial control
8. Abbe condenser, Iris diaphragm
9. Revolving Quadruple nose piece (for objectives)
10. Plan achromat objectives 4X, 10X, 40X, 100X (Oil)
11. 40X, 100X objective should be spring loaded
12. Eye piece 10X (FOV 20)
13. Antifungal treatment should be applied to the observation tube, eyepiece and objectives

14. Accessories, dust cover and power cord
15. Eye pieces with pointers – 1 no. extra
16. Power requirement 220 V/50 Hz
17. Should be CE certified or FDA or BIS approved product.

Schedule no. 39

Dark Ground Microscope With Phase Contrast

Specification

1. **Focus:** Vertical stage movement: 25mm stage stroke with coarse adjustment limit stopper, Torque adjustment for coarse knobs, Stage mounting position variable, High sensitivity fine focusing knob (minimum adjustment gradations: 1µm)
2. **Illumination:** LED light source
3. **Revolving Nosepiece :** Interchangeable reversed nosepiece
4. **Observation Tube :** Widefield tilting, telescopic and lifting binocular
5. **Stage:** Ceramic-coated coaxial stage with left or right hand low drive control: rotation and torque adjustment mechanisms
6. **Condenser :** Abbe (N.A. 1.1), for 4x–100x
7. Swing out Achromatic (N.A. 0.9), for 1.25x–100x (swing-out: 1.25x–4x)
8. Achromatic Aplanatic (N.A. 1.4), for 10x–100x
9. Phase contrast, darkfield (N.A. 1.1), [phase contrast: for 10x–100x, darkfield: for 10x–100x (up to N.A. 0.80)]
10. Universal (N.A. 0.9), for 1.25x–100x [swing-out: 1.25x–4x, with oil top lens:(N.A. 1.4)]
11. Low (N.A. 0.75), for 2x–100x (Dry)
12. Ultra low (N.A. 0.16), for 1.25x–4x
13. Darkfield dry (N.A. 0.8–0.92), for 10x–100x
14. Darkfield oil (N.A. 1.20–1.40), for 10x–100x
15. Accessories: Should be supplied with wooden box and dust cover
16. Should work on 230 V AC

Schedule no. 40

BOD Incubator

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

Schedule no. 41

**AUTOMATED RAPID TB CULTURE & DRUG SENSITIVITY
SYSTEM**

Specifications:

1. System should be capable to perform rapid culture, differentiation and sensitivity testing for Mycobacteria
2. System should be based on true Non-invasive technology; ensuring no bottle puncturing during sample analysis.
3. System-working principle should be based on non-radiometric technology.
4. System should be able to process minimum 15 fresh samples per day with standard international protocol.
5. System should have more than 900 sample positions with compact space-saving System should be able monitor growth of organisms in each sample positions continuously.
6. System should be capable to perform tests to differentiate typical and atypical mycobacteria within 3- 4 days time
7. System should be able to process both respiratory & non-respiratory samples
8. System should have the additive reagents- to make isolation media selective and enriched for better isolation.
9. System should be able to perform second drug sensitivity with standard protocol.
10. System should be supplied along with ready to use lyophilized drug vial for entire range of 1st Line Drug Sensitivity testing- S, I, R, E, P with certificate of analysis from manufacturing units
11. System should be supplemented with ready to use Pyrazinamide Test -media to avoid any false results in sensitivity testing.
12. First Line Drug kit should be USFDA approved.
13. System should be able to generate the interpretation of 1st Line Drug Susceptibility testing, automatically; no need of manual interpretation.
14. Company should have its own ready to use digestion and decontamination kit for better sample procession and reduced contamination rate.
15. System should have space saving compact design.
16. System should be supplied along with additional computer for data storage.
17. Suitable On line UPS with maintenance free batteries with 30 minutes back up to be supplied along with the system.
18. System should be approved by Central TB Division, GoI for Liquid Culture Facility.
19. Consumable for at least 200 samples each should be provided
20. Latest Work-station with relevant software should be provided with computer system having 3rd generation i5 processor, 4 GB RAM, 500 GB hard disk, keyboard, mouse, 21” TFT monitor of reputed make and suitable UPS
21. The supplier should provide comprehensive training to users on operation of the instrument, software and application support onsite as per specifications.
22. The system should be USFDA approved.

Schedule no. 42

Lyophilizer

1. System should be compact, bench-top.
2. The system should have Microprocessor Controlled LCD system.
3. The Programmable controlled temperature.
4. Automatic defrosting system for ice condenser when necessary.
5. The system should have Vacuum Control / Break Valve.
6. The system should have Hot Gas defrosts and switch.
7. The refrigerant type should be CFC free.
8. The condenser capacity should be minimum 3.5 litres. Capacity – 150-175 lts.
9. Stoppering should be top down pneumatic.
10. Preferably double compressor.
11. Should be CE or BIS approved product
12. It should have 12 ports for tubes/ampoules/vial

Accessories:

1. Adopter for ampoule & vial, flask – 1 pack each
2. Sealing crimper for vial.
3. Sealing torch for ampoule.

Complete system should be US FDA or European CE approved.

Schedule no. 43

ICE flaking machine

1. For Production & Storage of Flaked Ice directly from Tap water
2. Should have antimicrobial protection against mold, mildew and fungus
3. Large bin door for easy access
4. Stainless Steel Exterior
5. Automatic Cut off when storage Bin is full
6. Air cooled or water cooled compressor
7. Attached legs to raise ice maker and for levelling on uneven floor

Schedule no. 44

Fully Automatic Chemiluminescence Immunoassay Analyzer

1. Fully Automated immunodiagnostic system based on latest Chemiluminescence technology.
2. Continuous loading facility of minimum 50 samples.
3. Can accommodate multiple sample tube size / sample cups.
4. Universal barcode reader should be able to read multiple barcode type.
5. Capability to do the assay in continuous, random, batch & stat mode.
6. Facility to process various body fluids like serum, plasma, urine etc.
7. Throughput of up to or more than 200 tests per hour with random access.
8. Facility for detection of clot, bubble, viscosity and inadequate sample.
9. Sample volume should be 10 to 200 µl depending upon the analyte.
10. Facility for onboard dilution and reflex dilution for high and abnormal samples.
11. Should have disposable tip sampling system / effective wash technique to prevent carryover.
12. At least 40 different parameters should be available on board and 15- 20 parameters must be done at one time.

13. The reagent should be ready to use.
14. Continuous access to loading and unloading reagents is possible.
15. Inbuilt refrigeration system with controlled temperature and humidity.
16. Capability of inbuilt inventory management system for reagent.
17. Calibration stability should be at least 2-4 weeks depending upon parameters.
18. Capability of bar-coded stored master curve with two point calibration.
19. Inbuilt QC system to monitor the quality of result obtained.
20. Should have the self-diagnosis and error recovery system with on board operation guides for efficient trouble shooting purpose.
21. Patient result should be available both test wise / patient wise with storage of at least 5000 results.
22. Online status for worksheet, sample, reagent, tips, quality controls.
23. Compatible to the laboratory information system for online computerization of patient report.
24. Should have the facility to collect both liquid and solid waste for disposal.
25. Should be CE and USFDA approved.

Schedule no. 45

Orbital Shaking Incubator

Specifications:

1. Double walled inner chamber.
2. PUF insulation between two walls
3. Heavy angle frame structure from all sides
4. Corrosion resistant stainless steel chambers
5. Front loading glass door
6. Shaking assembly electric pulley mechanism
7. Universal tray to hold various spring clamps.
8. Clamps to be provided for 2L, 1L, 500 ml, 250 ml and 100 ml flasks
9. RPM 50 to 400 RPM controlled by regulator
10. RPM Indicator in digital display
11. Stroke 25 to 30 mm stroke displacement
12. Temperature range : Ambient +5°C to 60°C or more
13. Stability : ±0.1°C or less
14. Increment : ±1°C or less
15. Uniform temperature maintenance
16. Should have over temperature safety feature
17. Illumination light to view.
18. Digital timer with audio visual alarm
19. UV germicidal facility
20. Should be able to retain parameters during power failure and restarts unit automatically
21. Operable at 220 volts
22. Should be European CE or USFDA approved product

Schedule no. 46

Table Top Dispenser

Specifications:

1. Routine use of fixed quantity
2. Extensive volume range and highly resistant to chemicals
3. Dispensing range from 0.1 mL to 999.9 mL
4. Should have PFA-sealing of the slide piston prevents jamming
5. It should have wiping piston design to prevents crystallization of liquid
6. Rapid volume setting using precise graduation scale
7. Easy disassembling and cleaning
8. Telescopic filling tube for use with most bottles

Schedule no. 47

Anaerobic Work Station With Gas Cylinder Complete

Specifications: -

1. Fully automatic, microprocessor controlled, table top work station for anaerobic bacterial culture (Clinical/diagnostic work)
2. Fitted with one additional connection for attaching gas jar, so that jars can be attached, side by side simultaneously.
3. Touch screen operating panel and in-built vacuum pump.
4. Able to generate any mixed gas atmosphere (other than hazardous and inflammable) in transparent jars, by programming of required O₂ (atmospheric) and CO₂ & H₂ (from cylinders of mix gases & pure gases) percentage
5. All controlled conditions like Capnophilic, anaerobic & Micro-aerophilic be created within 60 seconds, should be reproducible and stay within 0.5% of the desired value.
6. Minimum 30 programs to be customized as per user requirements.
7. System to identify defective jars, catalysts and non-availability of gases, before incubation.
8. Intake air filters facility to prevent air microbial contamination.
9. It should keep its jar atmosphere with appropriate humidity to prevent drying and cross contaminations
10. It should be able to work with standard transparent anaerobic jars of any make
11. The equipment should be supplied with two sets of all necessary accessories including gas cylinders and pressure regulators (One set to be in-use and one set to be kept reserve)
12. Supplier should provide both sets of required gas cylinders filled with gases at the time of installation.
13. Four spare jars of twelve plates capacity to be supplied along with machine

Schedule no. 48

Real Time PCR

1. Thermal Cycling in Peltier-based system with gradient block
2. Block Format 96-well block compatible with 96-well (0.1 ml/0.2ml) plates, at least 8-tube (0.1 ml/0.2ml) strips with optical flat caps and Individual (0.1 ml/0.2ml) tubes with optical flat caps
3. Supported Volumes 10–50 μ L
4. Sample Ramp Rate at least 2°C/sec
5. Temperature Range 4°C-100°C, Temperature Accuracy at least +/-0.25°C and Temperature Uniformity at least +/-0.50°C.
6. Melt Curve Resolution at least 0.1°C
7. Optical System: LED excitation source, four-emission filters, and photodiode for FAM, SYBR Green I, VIC, JOE, NED, TAMRA, ROX dyes, with option to select no passive reference.
8. Data Collection in all filters for all wells.
9. LCD screen or attached computer capable of displaying and programming parameters
10. Should be US FDA or European CE approved product.

Schedule no. 49

Forced Air Incubator Microprocessor Controlled

Specifications: -

1. Temp range 20⁰C to 75⁰C
2. Temp. uniformity \pm 0.3⁰C
3. Capacity 100-120 ltrs
4. Temp setting- 0.1⁰C increments
5. Alarm – audio & visual if temp fluctuation more than 1⁰C
6. Tampered glass inner door
7. Temp recovery within two minutes
8. Adjustable shelf
9. Air change 3-5 cycles/ hour
10. Should be CE or FDA or BIS approved product

Schedule no. 50

Ultra Sonicator

1. Ultra sonicator should work on an operating frequency of 20-25 KHz
2. Should have an digital LCD display to display to show measured parameters
3. Maximum power output of the equipment should be 100 watts (Maximum)
4. Power supply 220 – 240V, 50 Hz
5. Dimensions of the equipment should be compact (Approx 8”X13”)
6. Probes and accessories -
 - i. Processing volume - 0.2-5 ml , 0.5-15 ml and 2-25 ml
 - ii. Tip diameter - 1.6 mm, 3.2 mm, and 4.8 mm
 - iii. Intensity - High
 - iv. Amplitude (microns) - 320 μ m, 240 μ m , and 150 μ m
 - v. Power supply - 1 KV

- vi. Accessory: Cover for the equipment
- 7. Unit should be US FDA or European CE approved product.

Schedule no. 51

Hybridization Chamber

Specifications:

Hybridization oven with one chamber
 Vacuum glass door.
 Should have a temp. range from 10°C to 85°C
 Rotor speed 1-10 RPM
 Should have platinum temperature sensor
 Control accuracy 0.5°C.
 Equipment should also have a shaker platform with approximate dimensions 20 x 25cm (W x D)
 Shaking speed 6-60 RPM
 Accessories should include –
 Holders
 6 Large hybridization bottle
 12 medium hybridization bottle
 12 small hybridization bottle
 Should be provided with 5 packs of Nylon meshes and all other manual accessories.
 Certificate of inspection and calibration
 Should be CE or FDA or BIS approved product

Schedule no. 52

Fluorescent Microscope

1. Microscope should have reversed sextuple revolving nosepiece to accommodate six objective at a time
 2. 40x-100x for magnification with Infinity optical system
 3. Mech. Tube Length of 200 mm with parafoval distance of 60 mm
 4. Siedentopf design super wide filed Trinocular eyepiece tube which should be inclined at 25 degree angle with field of vision (F.O.V.) 25 mm or better.
 5. Should be anti-fungus type 10X (2pcs) eyepiece lens with both sides Diopter adjustment (F.O.V. 25mm) should be Anti Fungus type High numerical aperture (N A) Apochromatic objective (Japanese/ German type)
- | Objective | N.A | W.D. |
|-----------|--------|--------|
| 4X | 0.10mm | 30mm |
| 10X | 0.30mm | 16.0mm |
| 40X | 0.75mm | 0.72mm |
| 100x Oil | 1.30mm | 0.2mm |
6. Fine- 0.1mm/ rotation
 7. Coarse-14mm/ rotation
 8. Coarse motion torque adjustable refocusing stopper should be incorporated.
 9. Rectangular mechanical stage with double slide holding capacity
 10. Achromatic swing out condenser N.A.0.90/0.22

11. Built-in auto photo preset switch
12. High intensity transmitted fluorescence system light emitting diode (LED) blue and green wavelengths.
13. Lifespan of LED should be more 30,000 hrs
14. Six fluorescence filter blocks in rotating turret which should prevent stray light from the reflector from entering the optical path.
15. Filter block for blue
16. Filter block for green
17. Filter block for UV
18. Cooled CCD camera with 12.5 mega pixels. The cooling temperature of the CCD should be minimum 10° C irrespective of room temperature.
19. Image analysis software for histological application.
20. All the products have to be from same manufacturer for better compatibility.
21. The product should be USFDA or European CE approved Product.

Schedule no. 53

Refrigerated Shaker

Specifications:

1. Microprocessor controlled with LED/LCD display; digital PID control
2. Should have overheating protection, buzzer alarm for temperature
3. Should have perforated shelves
4. Unit should stop automatically when opened the lid/door
5. Temperature range: 0⁰C- 60⁰C; with accuracy $\pm 0.5^{\circ}\text{C}$ at 37⁰C
6. Shaking speed : 30-300 per minute;
7. Timer: continuous or upto 48h
8. Platform size approx. 450x450mm

Schedule no. 54

Inverted Research Microscope for Bright field, Phase Contrast, fluorescence, along with High Resolution Digital Image Analysis System

A. Microscope Body:

Microscope body with Infinity optical corrected optical system, Extendable optical free space up to 80 mm for attaching other attachment in future, facility for 2 way (100:0, 20/80 left port) or more light distribution of light, up/down focusing, side port for attaching digital camera upgradable to one additional port for another camera, binocular tube with built-in to one additional port for another camera, binocular tube with built-in Bertrand lens & dark slide shutter along with dioptr adjustment facility.

B. Condenser:

Universal turret condenser (suitable for all microscopy techniques) with 5 positions

C. Illumination:

12V 100W Pre-centred Halogen Illumination.

D. Eyepiece:

10X with F.O.V 22 or better and dioptr adjustment facility on both eyes, anti fungus type,

E. Nosepiece:

Sextuple revolving nosepiece to accommodate six objectives at a time.

F. Stage:

Rectangular mechanical stage

G. Objectives:

Apochromatic Objectives suitable for Bright field/Phase Contrast/fluorescence/ DIC Observation with facility of cover glass correction.

4X (N.A.0.10, W.D.30mm), 10X (N.A.0.25, W.D.6.2mm), 20X (N.A.0.45, W.D.8.2-6.9mm), 40X (N.A.0.6, W.D.3.6-2.8mm)

H. Fluorescent attachment:

With six position turret filter block, Noise Terminator mechanism incorporated for high signal ratio images with Pre centered Mercury Fibre Illuminator of 120/130W, lamp should have life time of 2000 hrs or more.

Bandpass Fluorescent filters for FITC/GFP, TRITC/Rhoda mine, DAPI/Hoechst applications so that no cross talk is available.

I. Digital Camera:

Digital Colour Camera capable of Handling Very Low Light, Fluorescence, Darkfield or Dic Images with 2/3' High Density CCD Chip, Approx. 12.0 Million pixel resolution (2200 TV Lines), 15 f/p/s with full screen Size, Cooling 10°C below Ambient, 12-Bit Digitization, Exposure Time 1/16,000 to 60 sec., Dynamic Range 2000:1, USB port for attaching camera onto Desktop/Laptop through single wire.

J. Software should be with following features:

Acquisition and device control through four –dimensional acquisition, Image Acquisition, Time Lapse imaging, Z-stack, Multi-channel Fluorescence, Annotation, 2D/3D View, ND viewer, Filter, Morphology, Large Image, Macro, Segmentation, Auto-measurement, Report Generator facility, Data Base, Vector layer and Multi-Dimensional File Format (ND Format), Microscope Camera and Software should be from one source for better compatibility.

Data collection and processing unit: Branded, 4 GB RAM, DVD writer, 500 GB or higher HDD, 17" TFT Monitor, along with Colour Inkjet Printer

K. Consumables:

Mercury Lamp 1 No. and Halogen Lamp 6 Nos.

All the products have to be from same manufacturer for better compatibility.

L. Should be FDA or CE or BIS approved product

GENERAL TECHNICAL SPECIFICATIONS**GENERAL POINTS:**

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

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

Turnkey:

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

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

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

Section – VIII

Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

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

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

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorise their authorized agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.
2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer

Note:

1. The tenderer shall give an affidavit as under:

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

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

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

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

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

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

Section – X
TENDER FORM

Date _____

To

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

Ref. Your TE document No. _____ dated _____

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

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

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

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

Indian Agent:

Indian Agency Commission - ___% of FOB

Signature of Tenderer _____

Place: _____

Date: _____

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

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

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

* After completion of Warranty period

NOTE:-

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

Place: _____
Date: _____

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

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name _____

Business Address _____

Signature of Tenderer _____

Seal of the Tenderer _____

Place: _____

Date: _____

**SECTION – XII
QUESTIONNAIRE**

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

.....
Name and designation of the officer

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

SECTION – XIV

MANUFACTURER’S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

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

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

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

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

Yours faithfully,

[*Signature with date, name and designation*]

for and on behalf of Messrs _____

[*Name & address of the manufacturers*]

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

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

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

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

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

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

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

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

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

.....
Name and designation of the officer

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No _____ dated _____

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

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

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

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

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

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

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

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

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

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

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

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

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

Annual CM Contract No. _____ dated _____
Between _____

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

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from _____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

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

- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** _____ (name of the consignee i.e. Hospital (AIIMS) authorised official)

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

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

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

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

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment/plant.

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

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

**SECTION – XIX
ANNEXURES**

Annexure 1

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

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

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

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

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

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

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

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

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

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

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

(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA

(i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.

Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

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

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

(h) SHIPMENT FROM PAKISTAN

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

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

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

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

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

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

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

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

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

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

2. BILLS OF LADING

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

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

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

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

(ii) F.O.R SHIPMENTS

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

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

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

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

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
17	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
18	Have you enclosed the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER or Institute of National importance for the specific model quoted along with the price bid			

N.B.

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

(Signature with date)

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

For and on behalf of

(Name, address and stamp of the tendering firm)

Section – XXI Consignee List

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

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