

E-TENDER ENQUIRY DOCUMENT

**FOR PURCHASE OF EQUIPMENT FOR VARIOUS
LABORATORIES**

FOR AND ON BEHALF OF

**Central Drugs Standard Control Organization
Directorate General of Health Services,
Ministry of Health & Family Welfare
Govt. of India**

HLL/PCD/CDSCO-06/16-17



BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division

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**SECTION I
NOTICE INVITING TENDERS (NIT)**

from

**HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)
Procurement & Consultancy Services Division
B-14 A, Sector-62, Noida-201 307**

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FOR

**Central Drugs Standard Control Organization
Directorate General of Health Services
Ministry of Health & Family Welfare
Govt. of India**

Tender Enquiry No.: HLL/PCD/CDSCO-06/16-17

Dated 17.08.2016

NOTICE INVITING e-TENDERS (NIeT)

Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Central Drugs Standard Control Organization (CDSCO), invites **e- tenders**, from eligible and qualified tenderers for the following equipment for Various Laboratories under Central Drugs Standard Control Organization (CDSCO) located in various locations in India:

Sch no	Event Number	Name of the Instrument	Total Qty.	EMD
1	3000001435	UV/VIS Spectrophotometer	7	₹ 1,40,000
2	3000001436	FT-IR Spectrophotometer with accessories	2	₹ 48,000
3	3000001437	HPLC (Gradient) System with PDA, fluorescent & RI detector, Auto sampler & essential Columns	2	₹ 1,00,000
4	3000001438	HPLC (Gradient) System with PDA & ELSD, auto sampler & essential columns	6	₹ 6,00,000
5	3000001439	HPLC (Gradient) System with UV detector, auto sampler & essential columns	41	₹ 20,50,000
6	3000001440	Fast HPLC (Gradient) with UV detector, autosampler & essential columns	6	₹ 3,60,000
7	3000001461	GLC with FID detector with head space	3	₹ 1,80,000
8	3000001441	Atomic Absorption Spectrophotometer (AAS) with hydride & graphite furnace	1	₹ 60,000
9	3000001442	HPTLC	2	₹ 2,80,000
10	3000001443	Potentiometric Titrator with necessary electrodes	9	₹ 1,80,000
11	3000001444	KF titrator	7	₹ 1,40,000

Sch no	Event Number	Name of the Instrument	Total Qty.	EMD
12	3000001445	Dissolution apparatus with auto sampler	8	₹ 1,92,000
13	3000001446	Dissolution Media Preparation System	7	₹ 2,10,000
14	3000001448	Polarimeter digital with multi wavelength	2	₹ 48,000
15	3000001449	Refractrometer digital	6	₹ 84,000
16	3000001450	Analytical Balance (5 digits) with printer along with Anti Vibration table	8	₹ 96,000
17	3000001451	Pharma Refrigerator (2-8 degrees centigrade) 1000 L	8	₹ 1,44,000
18	3000001452	Pharma Refrigerator (2-8 degrees centigrade) 500 L	9	₹ 1,08,000
19	3000001453	Water Purification System	10	₹ 1,60,000
20	3000001454	Bacterial Endotoxins Apparatus (KTA/KCA)	7	₹ 1,68,000
21	3000001455	Tensile Strength Tester	2	₹ 56,000
22	3000001456	Amino Acid Analyzer	2	₹ 2,00,000
23	3000001457	Liquid Nitrogen Storage System	1	₹ 20,000
24	3000001458	Ion Chromographic System	2	₹ 1,60,000
25	3000001459	KF titrator - Coulometer	1	₹ 20,000
26	3000001460	Cold Centrifuge	2	₹ 32,000

2. Tender No.: HLL/PCD/CDSCO-06/15-16

Sl. No.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5000/- (Rs. Five Thousands Only)
b	Pre-bid meeting date , time & Venue	26.08.2016, 1100 hrs IST , HLL Life care Ltd, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida -201 307
c	Closing date & time for submission of tender fee and EMD in physical form	20.09.2016, 1430 hrs (IST) Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	20.09.2016, 1230 hrs IST
e	Time and date of opening of online bids	20.09.2016, 1530 hrs IST
f	Venue for :- Submission of tender fee, EMD in physical form, e-Tender opening, Price bid opening.	HLL Lifecare Limited, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
g	Venue for :- e-Tender opening, Price bid opening	Same as above

SPECIFIC Instructions for e-Tender Participation:-

3. Bidders should have valid Class 3 Digital Signature Certificate with encryption.
4. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
5. The prospective bidders have to register with the E-procurement system of HLL at <https://etender.lifecarehll.com/irj/portal>. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excepting non-working days). In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).
6. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
7. **The tenderers shall submit tender fee and EMD in physical form at the scheduled time and venue.**
8. Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.cdsc0.nic.in or www.eprocure.gov.in/cppp or <https://etender.lifecarehll.com/irj/portal>.
9. The submission of tender online can only be done thru' <https://etender.lifecarehll.com/irj/portal> .
10. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
11. Tenderers shall ensure that their tenders complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No Deviation is acceptable.**

IMPORTANT NOTE :-Tender fee(Rs. 5,000/-) and EMD (As applicable) should be deposited in the Tender Box located at HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh on or before 20.09.2016, 14.30 hrs (IST). Submission beyond stipulated date & time would result in REJECTION of BID.

If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening, i.e. up to 04.03.2017.

**SVP (GB)
HLL Lifecare Limited**

SECTION - II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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SECTION – II
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 the organization purchasing goods and services as incorporated in the Tender Enquiry document.
- (ii) “e- Tender” means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder.
- (iii) “Tenderer” means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender
- (iv) “Supplier” means the individual or the firm supplying the goods and services as incorporated in the contract.
- (v) “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.
- (vi) “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.
- (vii) “Earnest Money Deposit” (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- (viii) “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.
- (ix) “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.
- (x) “Consignee” means the Hospital (G. B. Pant Hospital)/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that “another” person is the consignee, also known as ultimate consignee.
- (xi) “Specification” means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xii) “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.
- (xiii) “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.
- (xxxiv) "CDSCO" means Central Drugs Standard Control Organization

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. e-TENDER ENQUIRY DOCUMENTS**8. Content of Tender Enquiry Documents**

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

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

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

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

9. Amendments to TE documents

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

10. Clarification of TE documents

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

C. PREPARATION OF e-TENDERS

11. Documents Comprising the e-Tender

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

DO NOT'S

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

A) Technical Tender (Un priced Tender)

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

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

- i. Earnest money Deposit (EMD) furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii. Tender Form as per Section X (without indicating any prices).
- iii. Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv. Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form. **While giving authorization to agent, to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**
- v. Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form.
- vi. Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- vii. Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- viii. Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- ix. Certificate of Incorporation.
- x. Checklist as per Section XX.
- xi. Cost of tender document should be payable by DD / pay order. Cheque will not be accepted.
- xii. Self Attested copies of VAT registration certificate and PAN Card.
- xiii. Non conviction / no pending conviction certification issued by Notary on judicial stamp paper for preceding three years.
- xiv. Self attested copies of quality certificates i.e. US FDA/ CE Certificate issued by competent authority, if applicable.
- xv. Documentary evidence stating the status of bidder.
- xvi. List of procurement agencies of repute to which the tendered product have been supplied during last 12 months.
- xvii. Self attested copies of annual report, audited balance sheet and profit & loss account for preceding three years from the date of tender opening.
- xviii. Notarized affidavit that tenderer does not have any relation with the person authorized to evaluate technically or involve in finalizing the tender or will decide the use of tendered items.
- xix. A self-declaration on Rs 10/ Non-judicial Stamp Paper that the rates quoted in the tender are the lowest and not quoted less than this to any Government Institution (State / Central / other Institute in India).
- xx. **Product catalogues / original Data Sheet must be enclosed of all quoted items.**

B) Price Bid:

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

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

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

2. All pages of the Tender should be page numbered and indexed.
3. It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.
4. Information on Compact disc (CD)
5. Tenderer should quote firm and fixed rates.
6. Free goods will be incorporated in price comparison.
7. The specification and size of each product should be as per details given in tender.
8. Any variation may result in the rejection of the tender.
9. Plea of clerical error, typographical error etc., committed by the tenderer would not be accepted.
10. No correspondence will be entertained after opening of the price bid.
11. Any conditional price bid would not be entertained and tender will be treated cancelled.

Note:

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

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

12. Tender currencies

- 12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.
- 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 Deleted
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, 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;
 - f) The rates quoted by the tenderer, shall be firm and fixed and inclusive of all taxes including work contract taxes, custom central duties and levies and all charges for packing forwarding, insurance, freight and delivery, installation , testing commissioning etc at site i/c temporary construction of storage, risk, overhead charges general liabilities/ obligations and clearance from local authorities. Rates shall be firm for the contractual period of time and for such time for which department shall grant extension of time till completion of work. Octroi duty shall be paid separately but the department on demand can furnish octroi exemption certificate. However the department is not liable to reimburse the octroi duty in case the concerned authorities do not honour exemption certificate.
 - g) 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 and price of goods quoted CIP port of entry in India.
 - c) The price of goods quoted CIP (name port of destination) in India nearest airport ,seaport basis as indicated in the List of Requirements and Consignee List;
 - d) Wherever applicable the amount of customs duty as percentage of net CIP value.
 - e) The charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from port of entry 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) Transportation charges from CIP Port of entry to consignee's site.
 - h) The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
 - i) 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 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.

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 supplier will pay the customs duty and clear the goods for transportation to consignee's site. The applicable - rates and amount of custom duty and the corresponding Indian custom tariff number should be shown separately in the price schedule. However, for calculation purpose 17.41% will be considered. Duty paid by the supplier shall be re-imbursed on

submission of documents. Customs duty exemption certificate (CDEC) wherever applicable shall be issued by the consignee.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will not restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.
- 13.10 All sundry equipments, fittings, units assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.
- 13.11 Tenderers are required to quote as per the specification of the stores. The deviation to specification if any must be brought out clearly giving a deviation statement. Detailed break up of prices for the main equipment and the accessory /optional item must be provided separately, item wise in the same serial order as listed in the technical bid.
- 13.12 Tenderers are required to submit the original proforma invoice in duplicate from their principals/ foreign suppliers clearly indicating the agency commission.

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.
 - d) In case the tenderer is an Indian agent/authorized representative quoting on behalf of a foreign manufacturer for the **restricted item**, the Indian agent/authorized representative is already enlisted under the Compulsory Enlistment Scheme of Ministry of Finance, Govt. of India operated through Directorate General of Supplies & Disposals (DGS&D), New Delhi.

18. Documents establishing Goods' 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(d) 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. Vague stipulations in the Registration Certificate such as “to customers’ specification” etc. will not be acceptable for exemption from furnishing of earnest money. 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 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 Bank Guarantee furnished from foreign banks will not be accepted

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, however, may not agree to extend its tender validity without forfeiting its EMD.
- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Digital Signing of e-Tender

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

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 The tender shall be submitted online only.

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

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

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

22.2 The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.

Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance / reputed central / state government hospitals should be uploaded in pdf form for price reasonability.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Preliminary 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 Prior to the detailed evaluation of Price Tenders, pursuant to GIT Clause 34, the Purchaser will determine the substantial responsiveness of each Tender to the TE Document. For purposes of these clauses, a substantially responsive Tender is one, which conforms to all the terms and conditions of the TE Documents without material deviations. Deviations from, or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 5), Warranty (GCC Clause 15), EMD (GIT Clause 19), Taxes & Duties (GCC Clause 20), Force Majeure (GCC Clause 26) and Applicable law (GCC Clause 31) will be deemed to be a material deviation. 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 If a Tender is not substantially responsive, it will be rejected by the Purchaser and cannot subsequently be made responsive by the Tenderer by correction of the nonconformity.
- 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 summarily ignored.
- 27.5 **The following are some of the important aspects, for which a tender shall be declared non – responsive and will be summarily ignored;**
- (i) **The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).**
 - (ii) Tender is unsigned.
 - (iii) Tender validity is shorter than the required period.

- (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
- (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
- (vi) Tenderer has not agreed to give the required performance security.
- (vii) Goods offered are not meeting the tender enquiry specification.
- (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, CMC prices and running operation and maintenance will also be added for comparison/ranking purpose for evaluation.

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

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

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

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

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

- i. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries / Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.
- ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L 1 price, in a situation where L 1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.
- iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall

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

36. Tenderer's capability to perform the contract

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

37. Contacting the Purchaser

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

41. Notification of Award

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

42. Issue of Contract

- 42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.
- 42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.
- 42.3 The Purchaser/Consignee reserves the right to issue the Notification of Award consignee wise.

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

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

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.

Rates:

The rates quoted by the tenderer shall be firm and inclusive of all taxes (including work contract taxes)

SUBMISSION OF e-TENDERS

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

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

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SECTION - IV
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 thirty (30) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 42 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 twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form – B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

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

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser

shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).

- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd , TUV, BEARUE VERITAS 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 contract. Please note that the time shall be the essence of the contract.

10. Transportation of Goods

- 10.1.1 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 DDP consignee site. 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. The procedure followed should be intimated to the purchaser.

10.1.2 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.

10.1.3 The procedure followed as above should be intimated to the purchaser. The goods will be custom cleared by the supplier/Indian Agent after paying customs duty and will be transported to the consignee's site as per terms of the contract.

10.2 Instructions for transportation of domestic goods including goods already imported by the supplier.

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. The supplier shall be responsible for all loss, destructions, damage or deterioration of or to the goods from any cause whatsoever while the goods after approval by the inspector are awaiting despatch or delivery.

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) supply of the imported goods DDP basis, the supplier shall arrange and pay for marine/air insurance making the consignee as beneficiary. The additional extended Insurance (local transportation and storage) would also be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery. The insurance shall be taken for an amount equal to 110% of overall expenditure to be incurred by the purchaser for receiving the goods at consignee's site.

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

12. Spare parts

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

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

- b) 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
- c) 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 supplied to the Purchaser/Consignee promptly on receipt of order from the Purchaser/ Consignee.

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 (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) Two copies of packing list identifying contents of each package;
- (iii) Inspection certificate issued by the nominated Inspection agency, if any.
- (iv) Certificate of origin;
- (v) Insurance Certificate as per GCC Clause 11.
- (vi) Manufacturers/Supplier’s warranty certificate & In-house inspection certificate.

- 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). In

case of CIP contracts where custom clearance is to be done by purchaser 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 SGS/Lloyd/ Bureau Veritas/TUV agencies 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

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 (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) 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 36 months from the date of installation & commissioning with a regular up gradation of newer technology as and when evolved followed by a CMC for a period of 2 (Two) Years for all the equipments after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/CONSIGNEE in terms of the contract, unless specified otherwise in the SCC.

No conditional warranty will be acceptable.

- a. 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.
- b. Replacement and repair will be under taken for the defective goods.
- c. 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.

16. Assignment

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

17. Sub Contracts

- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of contract

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

19. Prices

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

20. Taxes and Duties

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

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

a) On delivery:

90 % payment of the equipment price shall be paid on receipt of goods in good condition at the consignee premises 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;
- (vi) Certificate of origin.
- (vii) Manufacturer's warranty certificate

b) On Acceptance:

Balance 10% payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. In case where the installation and commissioning or final inspection and test at site is delayed for any reason for which consignee is responsible, 10% of the contract price shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a bank guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the bank guarantee extended for the further period as and when asked for by the purchaser.

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:

For contracts placed on DDP (consignee site) basis

a) On delivery:

Ninety (90) % 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:

1. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.

2. 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;
3. Four copies of packing list identifying contents of each package;
Insurance Certificate as per GCC Clause 11
4. Manufacturer's/Supplier's warranty certificate;
5. Manufacturer's own factory inspection report and
6. Certificate of origin by the chamber of commerce of the concerned country,
7. Inspection Certificate for the despatched equipments issued by SGS/Lloyd/Bureau Veritas/TUV agencies prior to despatch.
8. Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee.

b) On Acceptance:

Balance payment of 10% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees to the supplier. The supplier shall submit the original final acceptance certificate to the purchaser (HLL Life Care Ltd) who shall issue no objection certificate to the banker for payment 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

In case where the installation and commissioning or final inspection and test at site is delayed for any reason for which consignee is responsible, 10% of the contract price shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a bank guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the bank guarantee extended for the further period as and when asked for by the purchaser.

- c) (i) 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.

(ii) Payment of Custom Duty Amount with Custom Duty Exemption Certificate (CDEC), if applicable shall be reimbursed as per GIT Clause 13.5.5 on submission of relevant documents.

d) Payment of Indian Agency Commission:

Indian Agency commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. Payment shall be paid in Indian Rupees to the Indian Agent on proof of 100 % payment to the Foreign Principal.

C) Payment of Turnkey, if any:

Turnkey payment will be made to the manufacturer's agent 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. Payment shall be made in Indian Rupees to the Indian Agent on proof of 100 % payment to the Foreign Principal.

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 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) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
 - (b) Delay in supplies, if any, has been regularized.
 - (c) The contract price where it is subject to variation has been finalized.
 - (d) The supplier furnishes the following undertakings:

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

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. **The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.**
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
 - (ii) forfeiture of its performance security and
 - (iii) termination of the contract for default.

- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
 - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
 - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.
- 22.6 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 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 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, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, 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 C&MD of HLL. 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: The venue of arbitration shall be Delhi/New Delhi (India).

30.4 Jurisdiction of the court will be Delhi/New Delhi.

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

Sch no	Event Number	Name of the Instrument	Total Qty.	EMD
1	3000001435	UV/VIS Spectrophotometer	7	₹ 1,40,000
2	3000001436	FT-IR Spectrophotometer with accessories	2	₹ 48,000
3	3000001437	HPLC (Gradient) System with PDA, fluorescent & RI detector, Auto sampler & essential Columns	2	₹ 1,00,000
4	3000001438	HPLC (Gradient) System with PDA & ELSD, auto sampler & essential columns	6	₹ 6,00,000
5	3000001439	HPLC (Gradient) System with UV detector, auto sampler & essential columns	41	₹ 20,50,000
6	3000001440	Fast HPLC (Gradient) with UV detector, autosampler & essential columns	6	₹ 3,60,000
7	3000001461	GLC with FID detector with head space	3	₹ 1,80,000
8	3000001441	Atomic Absorption Spectrophotometer (AAS) with hydride & graphite furnace	1	₹ 60,000
9	3000001442	HPTLC	2	₹ 2,80,000
10	3000001443	Potentiometric Titrator with necessary electrodes	9	₹ 1,80,000
11	3000001444	KF titrator	7	₹ 1,40,000
12	3000001445	Dissolution apparatus with auto sampler	8	₹ 1,92,000
13	3000001446	Dissolution Media Preparation System	7	₹ 2,10,000
14	3000001448	Polarimeter digital with multi wavelength	2	₹ 48,000
15	3000001449	Refractrometer digital	6	₹ 84,000
16	3000001450	Analytical Balance (5 digits) with printer along with Anti Vibration table	8	₹ 96,000
17	3000001451	Pharma Refrigerator (2-8 degrees centigrade) 1000 L	8	₹ 1,44,000
18	3000001452	Pharma Refrigerator (2-8 degrees centigrade) 500 L	9	₹ 1,08,000
19	3000001453	Water Purification System	10	₹ 1,60,000
20	3000001454	Bacterial Endotoxins Apparatus (KTA/KCA)	7	₹ 1,68,000
21	3000001455	Tensile Strength Tester	2	₹ 56,000
22	3000001456	Amino Acid Analyzer	2	₹ 2,00,000
23	3000001457	Liquid Nitrogen Storage System	1	₹ 20,000
24	3000001458	Ion Chromgraphic System	2	₹ 1,60,000
25	3000001459	KF titrator - Coulometer	1	₹ 20,000
26	3000001460	Cold Centrifuge	2	₹ 32,000

Note: The details of the port office drug testing labs are as articulated in Section – XXI, Consignee List of tender enquiry document.

Part II: Required Delivery Schedule:

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

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

b) For Imported goods directly from foreign:

90 days from the date of opening of L/C or 120 days from the date of Notification of Award whichever is earlier. The date of delivery will be the date of receipt of goods by the consignee. (Tenderers may quote the earliest delivery period).

Part III: Scope of Incidental Services:

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

Installation & commissioning shall be completed within 15 days of handing over the site of installation, complete in all respect by the consignee. The date of handing over the site has to be intimated by the supplier to the purchaser. The delay on the part of the supplier to install & commission the equipment will also attract the provisions as contained in the liquidated damage clause.

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 36 months from the date of installation, commissioning and acceptance Comprehensive Maintenance Contract (CMC) as per details in General Technical Specification and also 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 or for imported goods:

At Consignee Site – Specified in the List of Requirements

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

b) For Imported goods directly from abroad:

The foreign tenderers are required to quote their rates on DDP basis at consignee site.

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(c). 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 Centers across the country on every preventive maintenance call.

S.No-1**Technical specification for UV-VIS SPECTRO PHOTOMETER****Microprocessor based Double beam computer control UV-Vis spectrophotometer**

Optics	- Double beam sealed, quartz coated, with monochromator
GRATING	- Double blazed / higher performance blazed
WAVE LENGTH RANGE	- 190 nm to 900 nm
WAVE LENGTH ACCURACY	- +/- 0.1 nm
STRAY LIGHT	- 0.005% OR LESS
RESOLUTION	- 0.1 nm
PHOTOMETRIC MODE	- Absorbance, Transmittance, Reflectance, Energy
PHOTOMETRIC RANGE	- Abs:- 3.8 to + 3.8, %T: 0 to 300%
SPECTRAL BAND WIDTH	- 0.1, 0.2, 0.5, 1, 2, 5 nm (6 steps)
WAVELENGTH SLEW RATE	- VARIABLE UPTO 3000 nm/min
BASE LINE FLATNESS	- + 0.0003 Abs
DRIFT	- 0.0003 Abs/h
DETECTOR	- Photomultiplier (PMT)
DATA PROCESSING	- software based with integrating & derivative plot facility (min 2nd derivative)
Additional Spare	- 1 PAIR QUARTZ CUVETTE (1-cm, 5ml) - 1 No.

SOFTWARE WITH P.C. AND PRINTER

- Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

- IQ - OQ and PQ documents
- On site Calibration with traceable reference material, to be done by the supplier on installation and thereafter every six months during warranty and CMC period.
- On Site successful Training at the time of installation.

OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.
- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered except cures during warranty and CMC period.
- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

Sl.No-2.**Fourier Transform Infra Red Spectrophotometer (FT-IR)****TECHNICAL SPECIFICATION :**

- Fully Computer Controlled COMPACT BENCH-TOP FTIR system with universal sample Compartment for working with all commercially available accessories.
- The system should have zero alignment optics for long-term stability reliability and reproducibility of the optical components.
- The system should have the self-compensating for dynamic alignment changes due to a tilt and shear.
- The system should have latest digital signal processor.
- The instrument should indicate whether the source and laser are operational.
- Wave number range: 7800 to 375 cm-1
- Source: Long Life IR Source
- Detector: MID-IR /DLTGS/DTGS detector with temperature control mechanism
- Resolution: 0.5 cm-1 or better
- S/N Ratio: 10000:1 Peak-Peak, 5 Seconds Scan
- Wave number precision: 0.01 cm-1 at 2000cm-1
- Beam splitter: KBR coated with Germanium (Ge)
- The system should be supplied with sealed and desiccated optical set up with built-in purge facility.
- The software should have real time data collection and should have the facility to continuously monitor the performance of source, detector, power supply and laser.
- The system should be supplied with multi-media tutorials.
- The software should also have: Compare Software, Spectral Search; Quantitative Analysis software Automatic atmospheric suppression; SOP builder; Spectral interpretation for unknowns; Quality checks programs and CFR-21 Part-11 Compliance.
- The system should have provisions to minimize the effect of atmospheric water and CO2 interference
- Libraries: BUILT IN LIBRARY WITH Minimum 2500 REFERENCE SPECTRA FOR DRUGS.
- A good number of Rechargeable Desiccant packs.

Major Accessory

- 1 Nos. ATR with monolithic diamond probe.
- 1 Nos. Fixed Volume Liquid Cell and fixed thickness (0.5 mm).
- 1 No. Sodium Chloride pellets with Holder for liquid paraffin mulls.
- 1 Nos. Hydraulic Press with 13mm KBr die and Pellet Holder should be supplied.
- 1 Nos. Polystyrene film of 0.3 mm having NIST Traceable certificates.
- 1 Nos. Agate Mortar Pestle (dia 2 inch)
- 1 Nos. Suitable Portable De Humidifier to maintain 30- 60% RH,
- Temperature and RH Digital Indicator having traceable certificate.

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, coloured Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.
- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered except cuvettes during warranty and CMC period.
- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

SI.No-3.**HPLC Quaternary Gradient with PDA,RI & Fluorescence Detector with Auto sampler****Technical specification:****1. PUMP**

Quaternary gradient with online degasser Should have pressure operating range minimum 7500psi or better	
Flow:	0.01 to 10 ml/min.
Flow Precision	0.1% RSD or below
Flow Rate Accuracy	±1%
Eluent Degassing	Online membrane Degasser for all channels
Gradient Mixer	Quaternary mixing & gradient capability using high speed proportionate valve
Solvent Setting Range	4 solvents setting range: 0-100% with 0.1% step
DIAGNOSTIC FEATURES	Error detection and display, Leak detection & safe leak handling

2. DETECTORS**(a) PDA**

Wave length Range	190-700 nm
Diode Element	minimum 512
Wave length Accuracy	±1 nm
Wave length Precision	± 0.1 nm
Noise	0.6 x 10 ⁻⁵ AU
Drift	5 x 10 ⁻⁴ AU/h
Temperature Operating Range	5° C below ambient temp to 50°C
Temperature Accuracy	±0.5 °C
Path length	10 mm (standard Analytical cell)
Cell Volume	Approximately 10 µL
Light source	D ₂ and Tungsten lamp
Lamp Hour	D ₂ lamp >2000 hr lifetime

(b) RI DETECTOR

Refractive Index Range	1.00 to 1.75 RIU
Noise Level	± 1.5 x 10 ⁻⁹ RIU
Drift	1 x 10 ⁻⁷ RIU/hr
Cell Volume	Approximately 10 µL
Temperature Control	Temp controlled Flow cell unit
Temperature Operating Range	5° below ambient to 50°C.
Temperature Accuracy	±0.5 °C

(c) FLUORESCENCE DETECTOR

Light Source	Xe lamp with standard wattage
Wavelength Range	200-900 nm
Wavelength Accuracy	± 2 nm

Wavelength Reproducibility	±0.2 nm
Excitation Wavelength	200 nm to 700 nm
Emission Wavelength	280 nm 900 nm
Wavelength Scanning	Scanning of Excitation and Emission wavelengths
Flow Cell volume	approximately 10 µl
Pressure	2Mpa
Sensitivity	500:1 (Tangent method) 700:1 (Base line method)
Temperature Operating Range	5° C below ambient to 50 ° C
Temperature Accuracy	±0.5 °C

3. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY

WORKABLE TEMPERATURE RANGE	10 to 80 Degree C
For column length	300 mm
No of Columns accommodated	Minimum 2
Temperature Stability	±0.1 °C of set temperature
Cooling system	Peltier based or equivalent technology

4. AUTOSAMPLER

Injection Mode	Total vol. Inj / Variable Inj method
Injection Volume Range	0.1-100µl (Standard)
Replicate Injection	per vial 1-50
Sample Capacity	100x 2 ml vials or more
Injection Volume Accuracy	±1%
Cross contamination	<0.1% with & without automated needle wash
Carry over	< 0.1% from previous injection
Tray Temperature Operating Range	10° C below ambient to 50 ° C
Temperature Accuracy	±0.5 °C

4. HPLC COLUMNS Columns C-18 column and C-8 Columns

C₈ = 250 X 4.6 X 5µm = 2

C₈ = 150 X 4.6 X 5µm = 2

C₁₈ = 250 X 4.6 X 5µm = 5

C₁₈ = 150 X 4.6 X 5µm = 2

Cyano = 150 X 4.6 X 5µm = 1

Amino = 250 X 4.6 X 5µm = 1

Phenyl = 250 X 4.6 X 5µm = 1

Silica = 250 X 4.6 X 5µm = 1

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

All consumable parts should be covered except columns and vials during warranty and CMC period.

On site Calibration with traceable reference material, to be done by the supplier on installation and thereafter every six months during warranty and CMC period.

On Site Training at the time of installation.

. OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.
- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered except cuvettes during warranty and CMC period.
- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

S.No-4**HPLC with ELSD, PDA Detector and Auto Sampler****Technical specification:****5. PUMP**

Quaternary gradient with online degasser Should have pressure operating range minimum 7500psi or better	
Flow:	0.01 to 10 ml/min.
Flow Precision	0.1% RSD or below
Flow Rate Accuracy	±1%
Eluent Degassing	Online membrane Degasser for all channels
Gradient Mixer	Quaternary mixing & gradient capability using high speed proportionate valve
Solvent Setting Range	4 solvents setting range: 0-100% with 0.1% step
DIAGNOSTIC FEATURES	Error detection and display, Leak detection & safe leak handling

6. DETECTORS

(a) PDA

Wave length Range	190-700 nm
Diode Element	minimum 512
Wave length Accuracy	±1 nm
Wave length Precision	± 0.1 nm
Noise	0.6 x 10 ⁻⁵ AU
Drift	5 x 10 ⁻⁴ AU/h
Temperature Operating Range	5° C below ambient temp to 50°C
Temperature Accuracy	±0.5 °C
Path length	10 mm (standard Analytical cell)
Cell Volume	Approximately 10 µL
Light source	D ₂ and Tungsten lamp
Lamp Hour	D ₂ lamp >2000 hr lifetime

(b) Evaporative Light Scattering Detector (ELSD)

- The ELSD should be specifically designed to complement HPLC system for monitoring compounds with poor to no Ultraviolet / Visible response and analytes that do not ionize well in mass spectrometry.
- Nebulizer for high flow rate: 300 to 3000 µl/min.
- Temperature control nebulizer chamber: Heater 0-100%, thermally controlled, cooler on/off.
- Gas Supply: Nitrogen, to be supplied at least 65 psi
- Gain setting: 0 to 1000
- Sample rate: upto 80 points.
- Temperature range drift tube: 5-100°C; 0.1°C increment, feedback accuracy to 0.1°C.
- Optics: Heated optics bench (constant 50°C)
- Light source: Tungsten halogen polychromatic front mounted, pre-aligned, user installable.
- Lamp calibration: Pre-aligned assembly
- Detector: Photomultiplier tube (PMT)
- Scattering angle: 60°
- Measurement Range: 0.1 to 2000 light scattering units full scale
- Angle Output: Two, LS units, nebulizer, drift tube, CHM, gas pressure

7. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY

WORKABLE TEMPERATURE RANGE	10 to 80 Degree C
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For column length	300 mm
No of Columns accommodated	Minimum 2
Temperature Stability	±0.1 °C of set temperature
Cooling system	Peltier based or equivalent technology

4. AUTOSAMPLER

Injection Mode	Total vol. Inj / Variable Inj method
Injection Volume Range	0.1-100µl (Standard)
Replicate Injection per vial	1-50
Sample Capacity	100x 2 ml vials or more
Injection Volume Accuracy	±1%
Cross contamination	<0.1% with & without automated needle wash
Carry over	< 0.1% from previous injection
Tray Temperature Operating Range	10° C below ambient to 50 ° C
Temperature Accuracy	±0.5 °C

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

All consumable parts should be covered except columns and vials during warranty and CMC period.

On site Calibration with traceable reference material, to be done by the supplier on installation and thereafter every six months during warranty and CMC period.

On Site Training at the time of installation.

OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.
- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered except cuvettes during warranty and CMC period.

- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

SI.No-5.**HPLC Quaternary Gradient with UV-VIS Detector with Auto sampler****Technical specification:****8. PUMP**

Quaternary gradient with online degasser Should have pressure operating range minimum 7500psi or better	
Flow:	0.01 to 10 ml/min.
Flow Precision	0.1% RSD or below
Flow Rate Accuracy	±1%
Eluent Degassing	Online membrane Degasser for all channels
Gradient Mixer	Quaternary mixing & gradient capability using high speed proportionate valve
Solvent Setting Range	4 solvents setting range: 0-100% with 0.1% step
DIAGNOSTIC FEATURES	Error detection and display, Leak detection & safe leak handling

9. DETECTORS

MULTI WAVELENGTH UV-VIS	Simultaneous Multi wavelength Measurement at minimum four points.
Wave length Range	190-700 nm
Wave length Accuracy	±1 nm
Wave length Repeatability	0.1 nm
Drift	1 x 10 ⁻⁴ AU/h
Noise Level	0.25 x 10 ⁻⁴ AU or lesser
Light Source	D ₂ and Tungsten Halide
Lamp Hour	D ₂ lamp >2000 hr lifetime

10. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY

WORKABLE TEMPERATURE RANGE	10 to 80 Degree C
For column length	300 mm
No of Columns accommodated	Minimum 2
Temperature Stability	±0.1 °C of set temperature

Cooling system	Peltier based or equivalent technology
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4. AUTOSAMPLER

Injection Mode	Total vol. Inj / Variable Inj method
Injection Volume Range	0.1-100µl (Standard)
Replicate Injection	per vial 1-50
Sample Capacity	100x 2 ml vials or more
Injection Volume Accuracy	±1%
Cross contamination	<0.1% with & without automated needle wash
Carry over	< 0.1% from previous injection
Tray Temperature Operating Range	10° C below ambient to 50 ° C
Temperature Accuracy	±0.5 °C

11. HPLC COLUMNS Columns C-18 column and C-8 Columns

C₈ = 250 X 4.6 X 5µm = 2

C₈ = 150 X 4.6 X 5µm = 2

C₁₈ = 250 X 4.6 X 5µm = 5

C₁₈ = 150 X 4.6 X 5µm = 2

Cyano = 150 X 4.6 X 5µm = 1

Amino = 250 X 4.6 X 5µm = 1

Phenyl = 250 X 4.6 X 5µm = 1

Silica = 250 X 4.6 X 5µm = 1

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

All consumable parts should be covered except columns and vials during warranty and CMC period.

On site Calibration with traceable reference material, to be done by the supplier on installation and thereafter every six months during warranty and CMC period.

On Site Successful Training at the time of installation.

OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.

- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered during warranty and CMC period.
- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

Sl.No-6.**Fast HPLC Quaternary Gradient System with PDA Detector and Auto Sampler****Technical specification:****12. PUMP**

Quaternary gradient with online degasser should have pressure operating range minimum 12000 psi or better	
Flow:	0.01 to 10 ml/min.
Flow Precision	0.08% RSD or better
Flow Rate Accuracy	±1%
Eluent Degassing	Online membrane Degasser for all Channels
Gradient Mixer	Quaternary mixing & gradient capability using high speed proportionate valve
Solvent Setting Range	4 solvents setting range: 0-100% with 0.1% step
DIAGNOSTIC FEATURES	Error detection and display, Leak detection & safe leak handling

13. PDA-DETECTORS

Wave length Range	190-700 nm
Diode Element	minimum 512
Wave length Accuracy	±1 nm
Wave length Precision	± 0.1 nm
Noise	0.35 x 10 ⁻⁵ AU
Drift	5 x 10 ⁻⁴ AU/h

Temperature Operating Range	5° C below ambient temp to 50°C
Temperature Accuracy	±0.5 °C
Light source	D ₂ and Tungsten lamp
Lamp Hour	D ₂ lamp >2000 hr lifetime

14. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY

WORKABLE TEMPERATURE RANGE	10 to 80 Degree C
No of Columns accommodated	Minimum 2
Temperature Stability	±0.1 °C of set temperature
Cooling system	Peltier based or equivalent technology

4. AUTOSAMPLER

Injection Mode	Total vol. Inj / Variable Inj method
Injection Volume Range	0.1-20µl (Standard)
Replicate Injection per vial	1-50
Sample Capacity	100x 2 ml vials or more
Injection Volume Accuracy	±1%
Cross contamination	<0.1% with & without automated needle wash
Carry over	< 0.1% from previous injection
Tray Temperature Operating Range	10° C below ambient to 60 ° C
Temperature Accuracy	±0.5 °C

15. HPLC COLUMNS

C₈ = 50mm x 2.1 x 1.8µm = 2

C₈ = 100mm x 1.8 X 1.8µm = 2

C₁₈ = 50mm x 2.1 x 1.8µm = 2

C₁₈ = 100mm x 1.8 X 1.8µm = 2

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

All consumable parts should covered except columns and vials during warranty and CMC period.
 On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
 On Site Successful Training at the time of installation.

OTHER CONDITIONS

- The system quoted should be of latest model and the spares and services should be available for next 10 years.
- Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.
- All the consumables parts should be covered during warranty and CMC period.
- Suitable UPS with 01 hour backup and surge protector should be supplied with the system.

Sr. No.	Name of the instrument	Specification
1	Ultra Performance Liquid Chromatography	<p>The Ultra Performance Liquid Chromatography should have minimum specification as below.</p> <ol style="list-style-type: none"> 1. System capability: The system must be capable of to carry out applications like the analysis of large Proteins and Amino Acid Analysis. The system must be MS compatible and also should be able to do chromatography for variety of macro molecules. 2. Solvent Delivery System (Quaternary Gradient) <ol style="list-style-type: none"> a. No. of solvents: Up to four solvents b. Gradient Formation : Low pressure mixing quaternary gradient. c. Degasser : Give or more Channel Vacuum Degasser d. Gradient profiles: 11 gradient curves or more e. Flow rate range : Up to 10.000mL/min.or better f. Pump Seal wash : Automatic g. Wet prime : Automatic h. Maximum operating pressure : 15000 psi or better i. Composition Accuracy : $\pm 0.5\%$ or better j. Composition Precision : $\leq 0.15\%$ RSD or better k. Flow precision : 0.075% RSD or better l. Flow Accuracy : $\pm 1.0\%$ m. System dwell volume: $\leq 400\mu\text{l}$ n. Automatic and continuous compressibility compensation without user intervention. On demand automatically achieve desired pH and ionic strengths gradients form pure solvents and concentrated stock buffers. 3. Auto Sampler : <ol style="list-style-type: none"> a. Injection Type : The mobile Phase should flow through needle at all the time except the time of injection in order to reduce the carry over. Also there should be a facility to wash the outer sheath of the needle. b. No. of samples vials : 90 vials of 2ml or more c. The Injection volume range must be 0.1-10μl with optional extension loops. d. Sample delivery precision : $< 1.0\%$ RSD or better e. Sample temp control : 4°C to 40°C in 0.1°C increments f. Sample carryover : $< 0.004\%$

		<p>g. Advanced features : Auto Dilution.</p> <p>4. Column Oven</p> <p>a. Column temp control : 20°C to 90°C in 0.1°C increments.</p> <p>b. Connector to connect with column chip for tracking and archive column usage history automatically.</p> <p>5. UV Vis Detector</p> <p>a. Wavelength Range : 190 to 700 nm</p> <p>b. The detector must have a dry noise specification of $\leq 6\mu\text{AU}$</p> <p>c. The detector must have a fixed bandwidth of 5nm</p> <p>d. Allowing for uncompromised optical resolution</p> <p>e. The detector must have linearity of 5% of 2.5AU</p> <p>f. The detector must have a measurement range of 0.0001 to 4.0000AU</p> <p>g. Lamp-The detector must have a high brightness lamp with a guaranteed life of 2000 hours</p> <p>h. The detector must have only one lamp source and not require more than one lamp for operation across the entire detector wavelength range.</p> <p>i. The detector must have lamp optimization software</p> <p>j. The detector must be able to operate in single or dual wavelength mode</p> <p>6. Software</p> <p>a. Windows based chromatography software should provide complete control of HPLC system</p> <p>b. The software should be quoted with a relational secured data base, independent of operating systems like SQL, Oracle and an interface for the software to the database for strong integrity and security of data</p> <p>c. The raw data should be available for processing at any time after modification of 'n' number of times.</p> <p>d. All meta data are automatically managed, linked and versioned</p> <p>e. Software should have customized reporting format</p> <p>f. The quoted software should have the capability of programming at least 1-8 different gradient curves.</p> <p>g. Apex integration & Gaussian skimming should be possible</p> <p>h. Fast LC system software shall provide a calculator for scaling HPLC methods for transferring from HPLC to Fast LC. The software will scale from fast LC to HPLC. The method setting shall be fully transferable into the Fast LC system instruments method to avoid transcription errors. The Fast LC system software shall include optional and programmable allowances for system dwell volumes and gradient differences. The calculator shall be available with all Fast LC system regardless of CDS used.</p> <p>7. Columns :</p> <p>a. C18 column with less than 2 micron particle size should be quoted.</p>
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Sl.No-7**GLC WITH FID detector with head space**

Gas Chromatography with Head Space
GAS CHROMATOGRAPH : Fully Microprocessor controlled with FID, Head Space and Liquid Auto sampler
Specification of Gas Chromatograph:
Four-line display plus graphic array provides all needed data, including all temperature and pressure/flow parameters, type of carrier gas, carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameters. Auto shut down of instrument in case of leaks in carrier gas. Auto adjustment of carrier gas flow to compensate for variations in ambient temperature and pressure. Voltage: 220V/ 50 Hz, Single phase. Automatic leak check and column characterization facility. GC Oven should Future up-gradable to Ultra fast option. GC must support two inlets and 2 FID detectors (one for packed and one for capillary columns and fittings)
Pneumatics must be electronic and programmable.
A) Temperature Programmable Oven for column:
1. Should have an operating range of few degrees above ambient to 450 °C or higher.
2. Heating rate: 50°C/min. or higher.
3. Column overheat protection.
4. Temperature programmer with at least 7 ramps and 8 plateaus or better.
5. Rapid cool down of the oven temperature.
6. Typical heat-up: from 50°C to 450°C in 500 seconds. Typical cool down: 450 °C to 50°C in 500 seconds.
B) Two Nos. Injector with independent heating: One Programmable split/ splitless injector and one packed column injector
a) Temperature range: 400°C or more.
b) The injector must be able to operate with all capillary and wide bore
c) The inlet chamber design has to avoid the contact of the sample with hot metal surface.
d) The injector must allow timed closure/opening of the purge line.
C) Two No. Flame Ionization Detector (FID) (one for packed and one for capillary columns)
1) Maximum operating temperature: 450°C.
2) Linear dynamic range: $\geq 10^6$.
3) Detectivity: 2×10^{-12} gC/sec
4) Auto flame out detection.
5) Acquisition rate 50 Hz or more.
HEAD SPACE&LIQUID AUTOSAMPLER:
Autosampler is a versatile automatic sampling system platform conceived on a 3-axis turret movement approach, designed. Should control through same GC software.
1. HEAD SPACE (AUTOSAMPLER)
. The autosampler must be able to transfer sample vapour to the injector with Transfer line.
. The auto sampler must permit adjustable and known sample volume to be introduced without requiring a change of sample loops
. Sample vapour of upto 15 ml can be injected for high sensitivity analysis.
. The autosampler must permit free access to the injection port for routine maintenance

and manual injection.
. Must allow housing of 8 or more sample vials of 10 or 20 ml capacity
. Must permit sequential injections on the same inlet for sample enrichment.
. Must feature dedicated turret for handling of proprietary gas tight syringe.
. The syringe must be heated and feature a gas line for purging with inert gas, when required.
. The type and volume of the syringe must be automatically detected by the system.
. Relative standard deviation 5% or less
. Must handle any Large Volume injection techniques. (PTV-LV, LV Split less, LV- On column)
2. LIQUID AUTOSAMPLER
. Must be able to house up to 50 or more sample vial (2ml capacity)
. Must allow installation of two needle length syringes, so to be able to address any injection mode or injector type.
. The type and volume of the syringe must be automatically detected by the system.
. Must allow installation and automation of syringe featuring volumes from 0.5 to 100 µl.
. Must be able to perform sequential injections in two inlets using different methods and injection modes, regardless the type of injector.
1. The sampling system must be programmable with 8 different operating modes and, if required must allow access to a lower level of parameter setting.
2. Must be able to achieve combined multiple solvent rinsing with upto 4 different solvents.
Necessary Gas Cylinder with Regulators
(1) Hydrogen, Nitrogen, and Zero Air Gas Cylinder
Gas Manifold for Hydrogen, Nitrogen & Zero Air with indicative Oxygen, Moisture and Hydrocarbon trap with copper tubing from Cylinder to Manifold and Manifold to Instrument with universal colour code and direction of flow.
Gas Station to run the system along with 10 KVA True Online UPS with 60 minutes backup should be quoted,
Accessories for Auto sampler:
a. 2ml Vials with septa for crimp seal : 500 Nos.
b. Crimping tool for sealing vials : 02 Nos.
c. Syringe 10ul FN for Auto sampler: 05 Nos.
Installation kit comprising;
• Stainless /suitable steel tubing
• Assorted Swagelok fittings,
• Nuts,
• Ferrules,
• Unions,
• Tees,
. Glass column 1 m x 3.2 mm, Packed with porous polymer beads(150-180 micrometer) Qty – 1
. Glass column 1.8 m x 2 mm, Packed with Acid washed diatomaceous support (80- 100 mesh) coated with 15 %w/w poly ethylene glycol 400 - Qty – 1
. Glass column 2 m x 3 mm, Packed with 10 % diethylene glycol succinate on Acid washed & silanised flux -calcinated siliceous earth (chromosorbs WHP 80-100 mesh)- Qty – 1
• A fused - silica capillary column 30m x 0.32 or 0.53 mm coated with cross linked 6 %

<p>polycyanopropyl phenyl siloxane and 94 % polydimethylsiloxane - Qty - 1</p> <p>1. Stainless steel column 4mx2mm packed with diatomaceous support (125-180 mesh) impregnated with 5% carbowax 20M(polyethylene glycol compound 20M) - Qty - 1</p>
<p>Accessories:</p> <p>1) All Flow Controller i.e. Carrier flow, Make-up flow, Hydrogen flow, Air flow etc. value should set through Software by PC.</p> <p>2) Should have real time display for chromatogram.</p> <p>3) Head Space Auto Sampler, Automation and event control from PC through same software.</p>
<p>Data handling system:</p> <p>1) Suitable computer as per specification mentioned in General Specification</p> <p>2) Suitable Software CFR – 21, Part -11 compliance.</p> <p>3) Suitable Laser Printer</p>
<p>Documents and Trainings:</p> <ul style="list-style-type: none"> . IQ - OQ and PQ documents . On site Calibration with traceable reference material , to be done by the supplier on installation and thereafter every six months during warranty and CMC period. . On Site Training at the time of installation

S.No-8**Atomic Absorption Spectrometer (AAS)**

Technical Specifications; Atomic Absorption Spectrometer (AAS) Fully PC controlled with Flame and hydride Generator.	
<u>Specification :</u>	
TYPE	Real Time Double Beam Spectrometer
WAVELENGTH RANGE	190-900 nm
GRATING	Diffraction grating with dual blazed and ruling density of 1800 lines/mm RLD (Reciprocal Linear Dispersion)1.6 nm/mm
SPECTRAL BANDWIDTH	3 different types programmable through software using auto slit selection mode
LAMP SETUP	LAMP SETUP-8 or more Lamps position Automatic Lamp Holder with computer controlled lamp selection its alignment and Automatic optimization of energy using coded lamps. Built in power supply 4 special Lamp to enhance sensitivity
OPTICAL SYSTEM	Real time Double Beam optical system for automatic compensation for changes in instrumental parameters for high signal stability and performance to give excellent S/N ratio
ATOMIZER	Built in Atomizer
DETECTOR	Solid-State Detector having quantum efficiency/Photo Multiplier Tube (PMT).

Technical Specification:

AS FLOW CONTROL	Total gas flow control system to maintain gas flows (Ratio of fuel/oxidant) at set levels even when subjected to outside variations like nebulizer adjustments. Automatic Gas Flow adjustment during change over between air C ₂ H ₂ & N ₂ O
BURNER HEAD TYPE	Acetylene- 50 mm and Nitrous Oxide Burner – 100mm
SAFETY INTERLOCKS	Burner head interlock, Nebulizer / End Cap Interlock, Drain Interlock etc to built in
BURNER ADJUSTMENT	Computer controlled motorized burner adjustment with highest precision and reproducibility for adjustment of Flame position in light path as well as fully automatic Adjustment of Burner Head. The height of Burner Head should also be stored with method file.
NEBULIZER TIP	Adjustable GEM TIP Nebulizer to take analysis with acids, corrosive samples including HF
CARBON FILLED PPS / inert Spray chamber to analyze all types of samples, should have high mechanical strength & fast drainage characteristics	
ACCESSORY ADJUSTMENT	Fully computer controlled spectrometer for all major accessories, Burner Heads, FIAS, Autosampler etc under software control
AUTOSAMPLER	Auto sampler with sample delivery up to 5ml with increment of 1 ml, automatic replicate analysis and automatic dilution
BACKGROUND CORRECTION	D ₂ background correction facility
Manifold System	Gas Manifold: Argon Gas Acetylene, Gas, Nitrous Oxide Gas, Zero Air. Silica gel Potassium Hydroxide suitable tubing from gas Generator/Gas Cylinder to manifold and Manifold to instrument
Gas Cylinders with regulators and suitable tubing's for Argon Gas Acetylene gas Nitrous Oxide Gas and Zero Air	

Exhaust hood and vent assembly to remove waste gas from AAS room , installation of this is to be done by the supplier
Hydride Generator for element As, Se, Hg, Si, Sb, Sn etc.
Lamps (Single Element) : 1)Pb, 2)Hg, 3) Na, 4) K, 5) As, 6) Fe, 7) Cu, 8) Mn, 9), Se, 10) Zn, 11) Cr, 12) AI, 13)Sn, 14) Sb Calibration Standard solution (min pack) for above elements should be provided with latest National / International traceability Certificate
SOFTWARE WITH P.C. AND PRINTER <ul style="list-style-type: none"> Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification DOCUMENTS AND TRAININGS: <ul style="list-style-type: none"> IQ - OQ and PQ documents On site Calibration with traceable reference material, to be done by the supplier on

installation and there after every six months during warranty and CMC period.

- On Site Training at the time of installation.

SI.No.9- HPTLC SYSTEM

Technical Specifications

(A) SEMI AUTOMATIC SPOT / BAND APPLICATOR

Sample spot / band applicator:

Spray on, 4 pattern Applicator ---Quantitative analysis, micro-preparative, in-situ and superimpose.

10-method memory storage, stand-alone or PC control. Sample positioning on X & Y axis freely

selectable, variable rate of delivery, accepts 100 ul & 500 ul syringes. Self diagnostic + validation +

Link to System Manager built-in.

(B) TLC SCANNER WITH DATA EVALUTION / DENSITOMETER:

Computer controlled Scanner / Densitometer for automatic spectrum scanning for identification and

purity check. Automatic quantitative measurement by absorbance & fluorescence. All TLC / HPTLC

plate sizes acceptable. Scan speed 100 mm / sec @ 25 μ m resolution, Wavelength range 190-800

nm. Monochromator flushing by nitrogen. Data sampling rate – 4000 / sec. Optics for HPTLC measurements. Spectrum scan speed 100 nm / sec. Max 999 spectra / plate. Visible pilot slit image /

scan compartment illumination with UV to check sample alignment with scan beam. D2, Hg, W

lamps + self diagnostic + Service dialog + Universal filter for fluorescence all built-in, scan slit size

variable, bandwidth selectable 5 & 20nm. EPROM upgradable.

Data evaluation 32 bit software (latest version), Linked to System Manager, Automatic / Manual

integration, Auto baseline correction. Spot check facility. 3D display with data storage.

Calibration -

single level, multilevel, linear / non-linear. Statistics CV / CI. Reproducibility check facility.

GLP

compliant. Auto calculation of data from wts and dil. factors , Computer generated random no. for

each report (GLP). Lamp use tracking. 2 level digital user manual. Service Dialog + self Diagnostics + Tutorial built in.

(C) CHROMATOGRAM DEVELOPMENT CHAMBERS

All glass, small internal volume chambers, bottom divided into two halves; maximum 5-15 ml mobile

phase / run, S.S. leak - proof corrosion free lid. Appropriate size chambers for 20 x 20, 20 x 10, 10 x 10, 10 x 5 cm plates.

(D UV CABINET:

Dual wavelength 254 + 366 nm UV

(E) 20 X 10 CM DIP TANK WITH LID FOR DERIVATIZATION (Battery Operated)

(F) PROFESSIONAL TLC / HPTLC PHOTODOCUMENTATION SYSTEM under GLP :

Illumination unit – with 254 , 352 and 366 nm UV. Visible light (above & below object).
Uniform

illumination. 60 KHz supply for instant, flickerless illumination. Easy access for changing tubes &

filters and PCB. Auto switch off. Total darkness. Viewing window to see plate. Safety - UV switched off if door opened.

Camera 12 bit, high resolution industrial camera (4096 grey level resolution). Images of the highest

quality. Fixed focus for total reproducibility. True colours capture. Very linear response.

Individually

calibrated.

(G) AUTOMATIC TLC SPRAYER

Pneumatic cordless TLC Sprayer with rechargeable batteries. Non – clogging very fine uniform

spray. Resistant to corrosive reagents. With accessories.

(H) TLC / HPTLC PLATE HEATER

Stain resistant ceran glass top; temp range 25 to 200_C. Uniform heating of plate. Digital display of

set & actual temp. Display on as long as plate is hot. Upto 20 x 20 cm size plates.

(I) CUTTING DEVICE FOR TLC/HPTLC GLASS PLATES:

Cuts glass TLC/HPTLC plates up to 20 x 20 cm to the desired format – precise, fast & efficiently.

Economises use of glass plates.

(J) Zero Air & Nitrogen Generator

Technical Specification

Max Output Flow Rate for N2 ATP : 600 cc/min

Max Zero Air Output Flow Rate for THC <0.1ppm (ATP) : 1500 cc/min

Pressure Dewpoint : -70°C / -94°F

Max Output Pressure : 0-80psi / 0-5.5bar

Build in Cylinder : Required

Internal Air Compressor : Required

Electrical Requirements : 220- 240v 50Hz

Outlet Port : suitable

Spares :

a) Chromatogram Development Glass Chambers

All glass, small internal volume chambers, bottom divided into two halves; maximum 5-15 ml mobile

phase / run, S.S. lid. Appropriate size tanks for 20 x 20, 20 x 10, 10 x 10, 10 x 5 cm plates.

One

number of Each size.

b) Precoated TLC or HPTLC Plates - One Packet of each.

c) Analytical sample syringe – 100ul - One number

Preparative sample syringe – 500 ul - One number

Teflon tips for 100ul & 500ul syringe - Ten num number each type

d) i) -UV tubes – 254, 366 nm - One number

ii) - White light UV filters - One number

e) Lamps – Mercury, Deuterium, Tungsten-Halogen – One each type

SOFTWARE WITH P.C. AND PRINTER

- Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

- IQ - OQ and PQ documents
- On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
- On Site Training at the time of installation.

S.No-10**Auto Potentiometric Titrator**

1. Potentiometric sensor Measurement range: ± 1200 mV
2. Potentiometric sensor Resolution: 0.1 mV
3. Polarized Sensor Measurement range: 0 ... ± 1200 mV / 0 ... ± 120 μ A
4. Polarized Sensor Resolution: 0.1 mV / 0.1 μ A
5. Burette resolution (for 10-mL burette): 0.5 μ L (1/20'000 of the burette volume) with plug and play burettes
6. Terminal: Touch control, VGA atleast 5.0" colour TFT, 320 x 240 pixel, Adjustable Display.
7. Up to 12 one click (methods) on home page for up to 30 users each and individual home screens for the user (30 users) with password protection.
8. Two home keys to get back to home page immediately
9. Plug & play intelligent Burettes: Automatic update of setup data upon connection, Automatic selection of burette drive.
10. Plug & play Electrodes: Complete sensor set up, Sensor type, sensor name, serial no, Calibration data, zero point, slope, temperature, date and time of calibration, date of next calibration reminder are saved on sensor chip
11. Hot plug & play technology for other peripheral devices means if you connect during titration, system should recognize automatically without reset.
12. In built magnetic stirrer and propeller stirrer and Speed control by Titrator.

13. Ethernet connection: Built-in Ethernet connection to directly attach the Titrator to the network.
14. Method Development: Intelligent method editor, with clear scientific meaningful parameters.
15. Calculation: Very easy and clearly understandable, scientific calculation formulas and parameters, Same calculations for all the user and different methods (no need to remember)
16. Weight transfer from balance: Fast takeover of sample weights via balance or terminal means bidirectional control be possible.
17. Burette Validation: burette volume-To be certified with the reference burette (has been tested and certified at the Metrology Centre) to avoid complication of certification of temperature, humidity, gravity during traditional burette volume certification by weight and density of water.
18. Burette Drive validation: Dosing accuracy-Measure the piston stroke heights with a certified micrometer which measure burette resolution.
19. Fully integrated network software with MS-SQS data base management and controlled in standalone or network dual mode operation touch-screen and PC software.
20. Software should have capability for continuous online audit trials monitoring without deactivation facility and should have facility for user lifetime password history and 21CFR Compliance.
21. Should have provision of addition 3 more external burette drives and 1 internal to dispense and titrate and provide the electrode for acid base, non-aqueous, Complexometry and fluoride ions selective electrode each one.

SOFTWARE WITH P.C. AND PRINTER

- Suitable software compatible to 21 CFR Part 11 Compliance with valid license key provided through manufacturer. License key should supply along with instrument from original manufacturer along with instrument. DOCUMENTS AND TRAININGS:
- IQ - OQ and PQ documents
- On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
On Site Training at the time of installation.

SI.No-11.

KF Titrator

Technical Specification:

1. Burette Drive resolution: 20,000 Steps.
2. Burette Resolver resolution : 0.0625% of burette volume
3. Burette Filling time and discharge time: 20 s at 100% filling rate
4. Burette resolution (for 5 mL burette): 0.25 μ L
5. Polarized Measurement range : -1200...+1200 mV
6. Polarized sensor Resolution: 0.1 mV
7. Polarization current range: 0...200 μ A
8. Polarization current resolution : 0.1 μ A
9. Drift measurement: Online, < 5 μ g/min
10. Measurement range: 10 ppm...100%
11. Repeatability: 0.3% at >10 mg H₂O
12. User Interface: User specific Home screen with Shortcuts, User management, online screen with direct start of sample and concentration Determination Complete online views with curves and data section online help.
13. Work at PC software, but Touch screen always shows the curves and measured values.

14. RFID chip or equivalent on burette to make sure the correct use and is automatically found from the method.
15. Solvent Manager: Solvent fully controlled by the instrument and started with a Shortcut and Overflow protection valve on waste bottle.
16. Direct One Click start from Home screen with Auto start and direct weight entry.
17. All accessories are automatically recognized and ready to use immediately.
18. Modern communication (USB, Ethernet) and up-to-date technology.
19. User interface and printouts in English
20. Fully integrated network software with MS-SQS data base management and controlled in standalone or network dual mode operation touch-screen or PC software.
21. Suitable 2 electrode with stand.
22. Suitable KF vessel.

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-12.

Dissolution Rate test Apparatus with Auto Sampler (Tablet/Capsule)

Technical Specification:

- Complies with USP, IP, EP and JP specifications
- Shaft locking mechanism for positive engagement and Wobble free operation
- Bath drain for easy removal of water from bath
- Menu driven software with on-line help.
- 8 Paddle System with SNAP FIT Shaft or batter system for paddles & basket.
- Precise Individual Vessel Cantering system.
- Sturdy bath top plate with clear moulded bath.
- Real time digital clock.
- Temperature control wake up (Heater turns on at preset clock time)
- 12 Programmable sampling intervals & 20 programmable protocols
- Validation print out with summary of test.
- Power failure recovery.
- On-Line/Off-line sampling facility
- Volume adjustable from 1 to 99 ml.
- Vibration free, smooth electrical lift movement
- Auto calibration of temperature
- Reduces Routine Validation
- Audio-Visual status and error indication
- On-line validation and printout of test parameters.
- Instrument levelling system.

- Vibration dampeners are to be provided to minimize the effect of vibration on the dissolution test.
- Sturdy Motorized telescopic lift.
- Magnetically coupled Water Circulating pump for precise temperature time control of water bath.
- Low evaporation vessel lid.

Accessories:

- 8 Nos. Paddles (USP II)
- 8 Nos. Baskets with Rods (USP I)
- 8 Nos. S.S. Cannulas (without Filters)
- 1 No. Water Circulating Pump
- 8 Nos. Clear and Amber Color Merlon Jars with lids.
- 1 No. Molded Perspex Water Bath with heater and sensor
- 1 No. External Probe.

With Programmable System Control with Splash proof operational Panel, LCD Display for RPM, Temperature & Elapsed Time Displays For 12 sampling intervals, Built-in control of speed, Bath vessel Temperature, Interfaces for automated Collector & programmable for 12 Different products.

h) SINKERS as per USP (Set of 6 Nos.)

- i) SINKER (SMALL SIZE : 5/15.5 mm)
- ii) SINKER (SMALL SIZE : 6/18 mm)
- iii) SINKER (SMALL SIZE : 8/23 mm)
- iv) SINKER (BIG SIZE : 11/31mm)

Off Line Syringe Sampling Accessories For Sample Collection Includes Motorised Sampling Manifold

Wherein user define different media volumes like 500 ml, 750 ml, 900ml, 1000 ml as well as the apparatus type such as Basket & Paddle.

No turbulence created to the agitation properties

Syringe Pump – 06 with 6 Syringes 10 ml or more 4 Way Valve

FEATURES:

Station syringe sampler pump for 6 Channel.

Sampling accuracy $\pm 1\%$

Can adapt 10 ml & 25 ml syringe.

4 way Rugged Valve system for Sampling, Replenishment & Dilution.

Max. online dilution possible 1:10

All syringe & Valves to operate synchronously for parallel selection.

Zero Setting for each Syringe.

Motor mounting with noise suspension.

PTFE Carrier Tube Set

(with connector for manifold syringe pump & sample collector)

0.8 MM PTFE TUBING WITH FERRULE CONNECTION

1. All PTFE Carrier tubing 1.6 mm x 0.8 mm.
2. Tube Connectors by flameless fittings for firm connection & easy change over.

SS. Tip Full Flow Filters:

Optimises filter Life by Providing Increased Surface Area.

FILTER - 15 – MICRON (SET OF 6)

Suitable Fraction Collector

Sample Collector:

To collect 8x 24 total samples with rinsing facility

Tablet Input Device: to insert 6 tablets simultaneously provided with polymer coated plate with low evaporation lids.

Individual Vessel Temperature Sensor, Indicator And Recorder With Printer Port (Set of 6).

Syringe Filter Manifold:

(8 Nos. disposable syringe filter can be inserted)

SOFTWARE must have following compliance.

All data safety requirements in the GMP and GLP guidelines as well as CFR 21 part 11.

Audit trail log for all the events, errors, warnings with electronic signatures

Access level security (Password Protection)

Data Handling System

Suitable Software CFR – 21, Part -11 compliance.

Suitable computer as per specification mentioned in General Specification

Suitable Laser Printer

Documents and Trainings:

IQ, OQ and PQ documents

Calibration certificate with traceability, to be done by the supplier every six month during the warranty and CMC period.

On Site Training at the time of installation

S.No-13

Media Preparation system for Dissolution apparatus

Technical Specification-

- The system should have the compliance with USP tool kit requirement of Media De-aeration.
- The Media De-aeration system should be a portable/movable, automatic, dissolution Media De-aeration system.
- The system should have the capability to preheat, filter, measure, de-aerate and deliver dissolution media simultaneously into six vessel's at a time.
- The control panel should be user friendly design with digital readout of actual media temperature and temperature set point.
- Pressure/Vacuum air pump - The air pump should be within the cart frame for quiet operation. It is easily removed for service
- The system should have the facility to measure and validate the volume, temperature, vacuum pressure and dissolved gases with the help of external validated tools to be quoted with main system.

- Dispense Head - The Head connects to the Dispense Tubing with quick disconnects and is user configurable for filling six or seven dissolution vessels simultaneously. The Dispense Head is designed to interface with most of dissolution Test Stations available by different manufacturers.
- Heater Assembly - The heater should have an integral design comprised of the heater, element, temperature sensor, overload sensor and level sensor. The heater should be easily removed for cleaning or for placement in spare media tanks. Heating element of the heater with Teflon coating to avoid possible corrosion and reaction with media.
- Tank Capacity: the tank capacity should be min. 40 liters to cater max dissolution baths media dispensing task.
- The dispensing cycle for all the six or seven vessels should be simultaneously and should complete within less than 4.0 mins for quick and uniform temperature in all the vessels to meet latest USP guideline.
- The system should work in close loop so as to have the min media exposure so as to comply the USP TOOL Kit requirement of Media De-Aeration Norms.
- The media De-aeration should be performed under the vacuum with through the thin film technology.
- Volume setting - The dispense volume should be user selectable from 250 to 1000 ml in 50 ml increments at $\pm 1\%$ accuracy. The measure system should be factory calibrated and is easily recalibrated by the user at the site.
- Media Tank - The tank should be chemically inert and is equipped with a 5 micron filter and standard hose bib for quick and easy connection.
- The tank should be easily removed for cleaning or for replacement with spare tanks. The system should have the facility to adopt extra tanks (one after other) to eliminate the cleaning validation.
- The extra tank should have a dedicated Teflon coated Heater, Filter cartridge and controller to pre-Heat the media simultaneously.
- A chemically inert cover prevents evaporation losses and provides a docking location for the Dispense Head.
- Retractable Cord Reel - The unit should be equipped with a 14 gage, 3 conductors, 20 ft.
- The Instrument should be on its own circuit to prevent instrument problems and circuit overload.
- The system should have removable tank to avoid cross contamination, carryover & cleaning validation.
- The system has the capability to configured dedicated tank for the Individual media (To be quoted as an optional)

Data Handling System:

- Suitable Software CFR – 21, Part -11 compliance.
- Latest Factory set, branded system with 22-23” Full HD Monitor with Printer - B/W - duplex - laser - Legal, A4 - 1200 dpi x 1200 dpi - up to 21 ppm – capacity with Network Card and Bluetooth facility.

DOCUMENTS AND TRAININGS:

- **IQOQPQ** of instrument and Software should be provided along with document.
- **Training** Technical and Application training to the personnel at site immediately after its installation
- **Pre Installation Requirements (PIR)** Provide PIR of the system as per the format given at **Annexure L**.
- The system should be quoted with all accessories required to make it fully operational.

S.No-14**Automated Digital Polarimeter with the following features and Specification**

Display	LCD not less than 2 lines
Measuring Range	ANGLE OF ROTATION - 89 deg to +89 deg arc
	Optical Rotation
	Specific Rotation
	Concentration (g/mL, G/100mL, G/L)
	Sucrose
	Glucose
	User Defined Scales
Optical Rotation Specification	
a. Measuring Range	±89.9degree
b. Resolution:	0.001 degree for entire measuring range
c. Accuracy	±0.005degree for entire measuring range
d. Repeatability	±0.002degree for entire measuring range
e. Response Time	12 second for the entire measuring range
Optical Cell	Stainless steel cell of 100mm and 200mm length
Detector	PMT/Photodiode/Equivalent
Detection Limit	UPTO 2 nd decimal or better
Measurement Accuracy	± 0.02 deg
Wavelength	365 nm, 405 nm, 435 nm, 546nm, 589 nm, 633 nm (All are mandatory)
Resolution	0.01
Light Source	Appropriate light source to cover all the above stipulated wave length
Temperature Controlled Cell Compartment	
Temperature Control	15 deg to 35 deg
Min Tube Length	220 mm
Accessories	CELL: 1 dm (5 ml), 2 dm (10 ml)

SOFTWARE WITH P.C. AND PRINTER

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-15**Digital Refracrometer**

Measurement Range	1.3200nD – 1.5600nD 0-95% Brix
Accuracy	PR-H: $\pm 0.00002^{nD}$; $\pm 0.02\%$ Brix
	PR-S: $\pm 0.0002^{nD}$; $\pm 0.2\%$ Brix
Resolution	PRB-H: 0.00001nD; 0.1% Brix
	PRB-S: 0.0001nD; 0.1% Brix
Measurement Units	Refractive Index [nD] Saccharose [% Brix] Glucose [% Brix] Fructose [% Brix]
Measurement Interval	3-60s
Temperature Sensor	PT100
Temperature Measurement	-10-99.9DegreeC
Temperature Resolution	0.1degree C
Temperature Accuracy	± 0.2 degree C
Temperature Compensation	ICUMSA, Arbitrary
Ambient Temperature	0-40degree C
Illumination	LED 590nm (est. Life: >100,000h)
Housing cast aluminium	Powder coated
Interfaces	RS-232
Analogue	0/4-20mA
Protection Class	IP65
Working Voltage	24V
Display	LCD 120 X 32 Pixel

PRINTER

Suitable Laser Printer as per General Specification

DOCUMENTS AND TRAININGS:

IQ, OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-16**Analytical balance with 5 digits display****Technical Specification**

Max Capacity	Approximately 30 gms
Readability	0.01 mg
Repeatability (sd)	0.03 mg
Linearity	0.2 mg
Sensitivity Temperature Drift (10°C30°C)	2.5 ppm/°C
Setting Time, Typical	4s/>15s
Adjustment Pan	Built In
Weighing Pan	Approximately 80 mm
Usable Height of Draft Shield	Approximately 225mm

PRINTER

Suitable Laser Printer as per General Specification

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-17**Pharma Refrigerator**

Specification:

- 1- Temperature Range 2 to 8 °C
- 2- Capacity: 900 to 1100 litre
- 3- Digital display of Temperature and Humidity.
- 4- CFC Free, Microprocessor Controlled, Noise Free Operation
- 5- Digital Temperature Programmable
- 6- Number of Doors: 2 glasses Doors
- 7- Shelves: More than 5 perforated shelves
- 8- Preventive Unauthorized Access Control
- 9- Inbuilt data logger with traceable certificate (Preferably with SD card, Data Cable for easy backup)
- 10- Alarm for power failure, temperature, sensor failure and incorrect voltage
- 11- Voltage Stabilizer and suitable power backup unit for 30 minutes.

PRINTER

Suitable Laser Printer

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-18**Pharma Refrigerator****Specification:**

- 1- Temperature Range 2 to 8 °C
- 2- Capacity: 450 to 550 litre
- 3- Digital display of Temperature and Humidity.
- 4- CFC Free, Microprocessor Controlled, Noise Free Operation
- 5- Digital Temperature Programmable
- 6- Number of Doors: 2 glasses Doors
- 7- Shelves: More than 3 perforated shelves
- 8- Preventive Unauthorized Access Control
- 9- Inbuilt data logger with traceable certificate (Preferably with SD card, Data Cable for easy backup)
- 10- Alarm for power failure, temperature, sensor failure and incorrect voltage
- 11- Voltage Stabilizer and suitable power backup unit for 30 minutes.

PRINTER

Suitable Laser Printer

DOCUMENTS AND TRAININGS:

IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

S.No-19**Water Purification Unit****Technical Specification****Water purification unit with the following specification:**

Two stage System should have RO and UV/HPLC grade purification facility and Water quality of the minimum specification of:

Type –II

Conductivity	: <0.2uS/cm @ 25 Deg. C
Resistivity @ 25 Deg C	: >5 to 50 Mega Ohms cm
TOC	: <20ppb
Output	: >10 Ltrs / Hr. @ 25 Deg C and Upgradable
Dispensing flow Rate	: 1 Litre / min
Bacterial	: < 1CFU/1000ml
Particle Content	: <1/ml

Type - I

Conductivity	: 0.055uS/cm @ 25 Deg C
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Resistivity at 25 degC	: 18.2 Mega-Ohm –cm
Dispensing flow Rate	: Upto 2 Liters/Min
TOC	: 2 – 5 < 5 ppb
Bacterial	: 1CFU/ 10ml
Bacterial Endotoxin	: <0.001 EU / ml .
Particle using 0.2 µm filter	: less than 20 particle/100 ml

Feed water specification:

Source of water	: Municipal tap water / ground water
Capacity	: 30 liters or more

The system should be table top model with on line TOC & LCD display facility, flow rate up to 1.5 L/min, Dual purification cartridges with organic absorbents, ion exchange resins and membrane processes to purify the water to 18.2 mega ohms, in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification, The system should have a pure water recirculation system to maintain consistent peak quality.

DOCUMENTS AND TRAININGS:

- IQ - OQ and PQ documents
- On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
- On Site Training at the time of installation.

S.No-20***BACTERIAL ENDOTOXINS BY KINETIC TURBIDIMETRIC ASSAY (KTA) AND KINETIC CHROMOGENIC ASSAY (KCA)***

Specifications for instrument for quantitative estimation of bacterial endotoxins by kinetic turbidimetric assay (KTA) and kinetic chromogenic assay (KCA)

1. Detection modes : Absorbance
2. Read methods : End point, Kinetic and turbidimetric , linear scanning, Self test and self calibration, capable of making calculations automatically.
3. Microplate types : 96- well plates
4. Temperature control : Incubation up to 50°C ± 0.2°C
5. Shaking : Linear
6. Software : Compatible software for assay of Endotoxins by Kinetic Turbidimetric Assay & Kinetic Chromogenic Assay. Preferably CE certified.
7. Light Source : Tungsten halogen
8. Detector : Photodiode
9. Wavelength selection : Filters
10. Wavelength range : 340- 900 nm
11. Dynamic range : 0 to 4.0 OD
12. Resolution : 0.001 OD
13. Path length Correction : No
14. Filter wheel capacity : 6 positions
15. Filters supplied : 4 filters (5 with UV option)
16. OD accuracy : < 1% at 2.5 OD

	< 2% at 3.5 OD
17. OD linearity	: < 1% at 2.5 OD
18. OD repeatability	: < 0.5% at 2.5 OD
	< 1.5% at 2.5 OD
19. Reading speed (kinetic)	: 96 wells: Less than 10 seconds
20. Power	: 100- 240 Volts AC.50/60 Hz

Justification:

1. One of the official methods in all pharmacopoeias including IP 2014.
2. Faster analysis- estimation of endotoxins can be done in 10 minutes instead of 1 hour in case of conventional gel clot method.
3. More number of samples can be tested at one point of time -up to 96 samples can be tested instead of maximum 10 samples by conventional gel clot method.
4. Less consumption of reagents as compared to conventional Gel clot method. Hence economic and time saving.
5. Less manpower s required.
6. No need of depyrogenation of reaction tubes as depyrogenated plate is used in this method.
7. Quantitative estimation of endotoxins is now incorporated in IP monographs such as Insulin Lispro Injection(IP 2014)
8. Quantitative estimation of endotoxins is prescribed in manufacturer's specifications.
9. Helpful in controversial samples, court cases etc. Where quantitative estimation of endotoxins is necessary.

S.No-21**Tensile Strength Tester****Technical Specifications**

1- Digital Tensile strength tester which is capable of determining tensile strength and elongation of textile, rubber, plastic, fabric, metals and other materials etc. The sample is held between two jaws, the upper one is stationary jaw while the other end is made to move at a known fixed speed with the help of motor, gear box and lead screw arrangement. The load exerted on the stationary jaw is sensed by a sensor connected with a load cell which directly indicates the load in digital form in kg. the elongation of the test specimen is measured on the three type of testes can be operated on this unit. Graphs. Load, v/s Elongation and Stress v/s strain graphs. Auto scaling before print out. Special graph against specific need can be provided. For desired force value, corresponding the elongation value & vice-versa can be directly seen on the screen. Cross head Drive & Speeds. Variable test speed through variable frequency A.C. Drive. For speed range refer table and speed selection through computer key board.

1- The dual column-loading frame shall be capable of tension, compression, flexure, shear, and reverse stress testing. It should include

a digital closed loop command and feedback motion control system which a high performance DC servo motor.

- 2- The load frame shall include a bright red ISO approved emergency stop switch. For safety purposes, the system shall not restart the crosshead moving when the emergency stop button is released.

S.No-22

Amino Acid Analyzer Specification

Technical Specifications

1- Pump

Simultaneous 2- piston technology for 2 fluid lines

Pump head made of inert PEEK material

Max. Pressure:- 400 bar

Flow rate:- 0.01 – 9.9 mL/min

Reproducibility of flow rate:- 0.1 % (RSD) at 100 µL/min

2- Auto sampler

Sample cooling 8⁰C by Peltier elements

Syringe pump, motor- injection valve

Sample rack: Minimum 50 (1.5 mL Standard)

Dosage: 1 - 40 µL in 1 µL- steps free programmable

3- Micro-photometer

Wave length: 570 nm, 440 nm

Noise: 0.02mAU, 1s

Drift: < 1.0 x 10⁻⁵ AU / h

Linearity deviation: 0.3 % bei 1 AU

Measuring range: high, low

Analog signal: 0 - 5 V

Base line adjustment: free programmable

Auto-Zero function free programmable

Flow cell: 10 µL volume

4- Separation column

Cation exchange resin- 3 μ m

Different dimensions:- Stainless steel or PEEK

Temperature adjustment by Peltier elements

Temperature range 20 - 100° C

Temperature accuracy: 0.1° C

5- Reactor

Highly inert material

Peltier elements

Temperature range:- 50 - 150° C

Auto-Shut-down safety routine in case of failure alarm

6- Reagents

Reagent- and washing solution, integrated into central unit

5 eluent bottles, 1 regeneration bottle integrated in separate eluent unit

7- Tubings

PEEK and FEP

8- Control- Software

Compatible to run the instrument and comfortable creation & modification of separation programs

9- Ready to use reagent kits

Kits including eluents, reagent and additional dilutions buffers

Pre- and separation column for the analysis of more than 500runs

Reproducibility of retention time: 1%, RSD

Reproducibility of peak area: 3%, RSD

S.No-23**Liquid NITROGEN Storage System****Technical Specification**

Description	Cryocan (Liquid Nitrogen) Storage system alongwith racks for 2.0 ml. cryo vials (Capacity 2,000 – 3,000 vials)
Brand Name	IBP/ Thermo Scientific / Any other make
Specification	Capacity : 100 - 120 Litres. Static Evaporation rate : 0.3 – 0.7 litres/day. Diameter : 1.5 ft. to 2.0 ft. Height : 3.0 ft. to 3.5 ft. Neck Diameter : 6 Inch.

S.No-24**Ion Chromatography System**

Computer controlled Ion Chromatography System able to provide multiple flexibility of detection in series and in complex sample matrix to analyze carbohydrates, mono & di polysaccharides vaccines.

1. Solvent Delivery Pump – Quantity 01 No.

Pump with built-in quaternary/ternary low pressure gradient system and non-metallic PEEK base compatible for 0-14 pH & Reverse Phase (RP) compatibility for 4/3 solvents gradient as per the following specification.	
Flow range	0.001 – 10 mL/min or better.
Flow Accuracy	< 0.1 %
Pressure Ripple	<1% without dampner
Flow Precision	<0.1%
Operating Pressure	0-5000 psi or more.
Vacuum Degasser	Built in with gradient pump

2. Chromatography Accessories & Detector Enclosure – Quantity: 01 No.

To mount various accessories like sample injection valves, multiple columns with thermo-stated column compartment, and injection valves in temperature range of 10-70⁰ C.

3. Electrochemical Detector Cell Kit – Quantity: 01 No.

The electrochemical detector must be capable of operating in an integrated Amperometry, pulsed amperometry, DC Amperometry mode, or Cyclovoltammetry.	
Potential Range	± 2.00 v in 0.001V increment
Cell volume	<0.2 µL
Range	50 pC-200 µC (Int. Amp)

	5 PA – 74 μ A (dc Amp)
Electronic Noise	DC : <10 pA, IPAD : <50 pC
Counter Electrode	Titanium/SST
Reference Electrode	Ag / AgCl Combination
Working Electrodes	Gold electrode with gasket and polishing kit (Non Disposable). Detector must accept other working electrode like Silver, Platinum & Glassy carbon.

4. Auto-Sampler

Auto-sampler must be capable of performing full-loop and partial-loop injections.	
Sample Capacity	100 x 2ml or more.
Variable Volume Range	0.1 μ L to 100 μ L (Standard)
Injection Precision	Fixed loop <0.5% RSD or better. Partial loop <0.5% RSD or better.
Dispensing Precision	<0.2% RSD
Replicate Injection	Per vial 1-50
Carryover	<0.01% with 500 μ L flush volume
Sample Tray (Thermostatting)	4° C to Ambient temperature

5. Thermostated Column Compartment.

Body	Non metallic body
Working Temperature Range	4° C to Ambient temperature
Column Length to be accommodated	Must accommodate column of id 4mm and length upto 250 mm along with guard column
No of Columns accommodated	Minimum 2

6. System compatibility with Columns

The quoted instrument should be compatible with columns of different makes	
Anion Exchange Capacity	Approximately 100 μ eq.
Maximum Operating Pressure	2000 psi (15 MPa)
Chemical Compatibility	pH 0–14 Up to 90% of common HPLC solvents and must be compatible with the eluents like Sodium acetate and Sodium hydroxide.
System should be compatible to use with 2mm id columns.	
100% solvent compatibility for all eluents.	

7. Installation Qualification (IQ) Kit with all necessary Documents / Binder (Complete Binder)

IQ / OQ / PQ Kit including for EC detectors & Documents / Complete Binder.

8. Chromatography Software

Chromatography software to control complete IC system, data acquisition, processing & reporting, etc.

- The software must be able to provide full automatic control of the process of analyzing samples.
- This must include acquiring data, quantitation, producing a report, and the option to upgrade to an incorporated excel like spreadsheet for report flexibility.

- The software must be able to automate integration updates without time consuming batch reprocessing of changes to an integration in a data set.
- 21 CFR Part II Compliance

All the above mentioned components of the instrument must be manufactured by one manufacturer and controlled through single software. PC & Printer with support software Windows 7 or any other compatible version & colored printer with automatic both side printing facility. Compatible branded Online 3KVA UPS with 1 hour back up .

9. Other Accessories :

- Solvent filtration assembly with vacuum pump and 0.2 micron & 0.45 micron nylon 66 membrane filters Quantity 5000 for each size
- Sample filtration syringes with 0.2 micron & 0.45 micron nylon 66 membrane filters Quantity 5000 filter for each size.
- Low insert volume studs:- Quantity 2000 No
- Vials 2000 No.
- Spares: like inline filters, fluidics, tubings, nuts, sample and prep. Syringes , needle assembly, etc. to suffice for 2 years.
- Counter Electrode:- Quantity 3 No
- Reference Electrode:- Quantity 3 No
- Working Electrodes:- Quantity 3 No
- Any other accessories for smooth functions should be provided.

10. Other Conditions

- a. The system quoted should be of latest model and the spares and services should be available for minimum 10 years.**
- b. Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.**
- c. All the consumables parts should be covered except columns and vials during warranty and CMC Period.**
- d. On site calibration with traceable reference material to be done by the supplier on installation and thereafter every six months during warranty and CMC period.
On site successful training to staff should be provided at the time of installation.**

S.No-25

Karl Fisher Titrator (Coulometer)

Technical Specification:-

1. The Equipment shall be fully automatic and microprocessor computer controlled compact instrument.
2. The instrument shall have coulometric cell without diaphragm.
3. Range: 10µg to 200 mg of water
4. Power Supply: 230 V AC $\pm 15\%$, 50 Hz ($\pm 5\%$)

5. Facility to have user defined calculation. Number of results/calculations per method should be atleast 9.
6. Statistical function like mean value, relative and absolute standard deviation should be available for at least 15 determinations if required.
7. Instrument should be with default minimum 4 methods and Facility to store atleast 100 user methods.
8. Suitable magnetic stirrer should be provided with the instrument.
9. Conditioning of the cell should be completely automatic without the need to do any titration or manually otherwise.
10. The instrument should have the facility to stop the Titration based on the drift apart from the time. This is to ensure zero errors due to external drift.
11. The instrument should have a Real time curve display.
12. The instrument should start automatically on sample introduction.
13. The instrument should have a clear backlit LCD display for clear viewing.
14. Suitable 21 CFR Part II compliance software for computer compatibility should be provided with the instrument.

Accessories:

- a) Accessory (Oven) for driving off the moisture of solid and liquid samples for subsequent coulometric determination of the water content according to Karl Fischer.
- b) Temperature range 55⁰C to 240⁰C. Heating rate 15⁰C/min and cooling rate of 9⁰C/min. Digital gas flow monitoring and control. Live temperature display. Switch over between two preselected temperatures along with Manual sample introduction and built in air pump.
- c) Compatible Online branded UPS with 1 hour back up. PC, Printer any other accessory required for smooth installation and working of the instrument should be quoted with main configuration.

Other Conditions:

- e. **The system quoted should be of latest model and the spares and services should be available for minimum 10 years.**
- f. **Warranty: 3 years standard warranty from the date of successful installation of Equipment and 3 years CMC afterward.**
- g. **All the consumables parts (spares) should be covered during warranty and CMC Period.**
- h. **IQ/OQ and PQ documents should be provided at the time of installation.**
- i. **On site calibration with traceable reference material to be done by the supplier on installation and thereafter every six months during warranty and CMC period.**
- j. **On site successful training to staff should be provided at the time of installation.**

(A)	KF Titrator Coulometer	<p>Karl Fisher Coulometer, operable by 220 volt, 5 amp. Plug with following specifications.</p> <ol style="list-style-type: none"> 1. Power Supply: 230 V AC $\pm 15\%$, 50 Hz ($\pm 5\%$) 2. The instrument shall have coulometric cell without diaphragm 3. Facility to have user defined calculation. Number of results/calculations per method should be atleast 9. 4. Statistical function like mean value, Relative and absolute standard deviation should be available for at least 15 determinations if required. 5. Instrument should be with default minimum 4 methods and Facility to store atleast 100 user methods. 6. Suitable magnetic stirrer should be provided with the instrument. 7. Range: 10μg to 200 mg of water 8. Conditioning of the cell should be completely automatic without the need to do any titration or manually otherwise. 9. The instrument should have the facility to stop the Titration based on the drift apart from the time. This is to ensure zero errors due to external drift. 10. The instrument should have a Real time curve display. 11. The instrument should start automatically on sample introduction. 12. The instrument should strictly follow the Good Laboratory Practice principles and should be able to <ol style="list-style-type: none"> a. User Right restriction manage routine and administrative log in. b. Validation and Service Interval Reminder facility. c. GLP method for Validation of the equipment. d. GLP complaint documentation. 13. The instrument should have a clear backlit LCD display for clear viewing. 14. Suitable software for computer compatibility should be provided with the instrument. 15. Accessory for driving off the moisture of solid and liquid samples for subsequent coulometric determination of the water content according to karl Fischer. Temperature range 55 to 240 deg C. Heating rate 15 C/min. and cooling rate of 9 C/min. Digital gas flow monitoring and control. Live temperature display. Switch over between two preselected temperatures. Manual sample introduction, built in air pump. 16. Instrument must have option to attach oven sampler to handle multiple samples in Future.
(C)	Warranty	3 years with spares.
(D)	Other Items	Compatible Online branded UPS with 1 hour back up , PC, Printer any other accessory required for smooth installation and working of the instrument should be quoted with main configuration.
(E)	Customer support	No. of offices/service engineers near Chandigarh, maximum expectable dead time to resolve problems and other such information such be communicated along with final quotation.

S.No-26

COLD CENTRIFUGE

Technical Specification:

1. **Max capacity with swing bucket rotor: 4x400ml**
 2. Max capacity with fixed Angel rotor: 6x100ml
 3. Max speed with swing bucket rotor: 6300 rpm
 4. **Max speed with fixed angle rotor: 15200rpm**
 5. Max RCF with swing bucket rotor: 7188xg
 6. **Max RCF with fixed angle rotor: 25830xg**
 7. Control system: microprocessor
 8. **Rotor should have auto locking system**
 9. Rotor shall be installed and removed with no tools in less than 5 seconds
 10. Drive system should be Direct, brushless induction low profile motor
 11. Should have imbalance detection system.
 12. **Can be used for 30 x 2ml tube and 8 x 50 ml tube.**
 13. Programs: 99(5 with direct access key)
 14. Temperature set range: **-10 °C to +40 °C**
 15. Should have pre-cooling system
 16. Refrigeration system: CFC free
 17. Should have pulse/short run system
 18. **Acceleration / Deceleration Rates: 9 / 10**
 19. **Centrifugation Chamber: Stainless Steel**
 20. **Max Timer Range: 9h, 99min + continuous**
 21. **Sound Level (dBA): < 55**
 22. **Should have Certified ClickSeal biocontainment system, language selection, motorized lid latch**
 23. **Max Power Consumption (W): 1200**
- ROTOR:**
24. **Should have provide a fixed angel rotor with capacity: 8x50ml, with speed 14000-14500 rpm and RCF 23500-24400xg along with adapter for 15 ml conical tube.**
 25. **Fixed angel rotor with capacity: 30x2ml, with speed 15200 rpm**
 26. **Rotor should be made of carbon fiber with 03 years warranty**

Documents and Trainings:

IQ, OQ and PQ documents

Calibration certificate with traceability, to be done by the supplier every six month during the warranty and CMC period.

On Site Training at the time of installation

Other Conditions

- k. **The system quoted should be of latest model and the spares and services should be available for minimum 10 years.**

- l. Warranty: 3 years standard warranty from the date of successful installation of the equipment and 3 years CMC afterward.**
- m. All the consumables parts should be covered except columns and vials during warranty and CMC Period.**
- n. On site calibration with traceable reference material to be done by the supplier on installation and thereafter every six months during warranty and CMC period.**
- o. On site successful training to staff should be provided at the time of installation.**

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

- a) **Three years Comprehensive Warranty** as per Conditions of Contract of the TE document for complete equipment and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Institution/Consignee/ User.
- 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 and changes** should be provided free of cost during Warranty & CMC period.

2. After Sales Service:

After sales service centre should be available at the city of Hospital/Institution/Medical College/Organisation/Consignee on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs. The service should be provided 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. If the manufacturer /agent do not have the service centres in India they will have to set up the same within 45 days after award of contract.

3. Training:

IQ, OQ AND PQ documents.

On site calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC priod.

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

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

- a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next **3 years on yearly basis** for complete equipment (including 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, at least once in three 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 3 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- g) All software **updates and changes** should be provided free of cost during CMC.
- h) All the consumables parts should be covered except cassettes during warranty and CMC period.
- i) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- j) 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 the consignee. The Tenderers to quote prices indicating break-up of prices of the Machine and Turnkey Job of each equipment. 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.

5. Installation and commissioning:

Pre requisite for installation & commissioning must be spelt out very clearly along with the technical bid (e.g. power requirements, AC, controlled air temperature, furniture etc.)

- 6. Wherever applicable, the instruments should be supplied along with suitable computer along with latest, certified operating system and software, laser printer the vendor should take full responsibility for Computer, Printer, UPS and other accessories. All spares parts and accessories supplied by third party through the vendor should cover under CMC.
- 7. Suitable UPS with 01 hour backup and surge protector should be supplied with the system
- 8. Software with P.C and Printer :

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification.

Section – VIII

Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

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

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

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

01. The Tenderer must be a Manufacturer or its authorized Agent.
02. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 33% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily.
02. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 02 (a) should have 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, any where 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 as well as the Tenderer/ Indian Agent shall furnish Satisfactory Performance cum installation 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 seven years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

**** The documentary proof will be a certificate from the consignee/end user with cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished. If at any time, information furnished is proved to be false or incorrect, the earnest money furnished will be forfeited**

**** The bidders are requested to submit the latest purchase order copies supplied to Premeire Government Institutes..**

FORMAT OF PERFORMANCE CERTIFICATE

To whom it may concern

Date_____

Certified that M/s_____ **(name & address of manufacturer) supplied us** _____ **Nos(indicate quantity) of equipment,**_____ **(indicate name of the equipment) against our order no**_____ **dt**_____ **(please indicate order no & date as figuring in the performance statement).The equipment was installed,commissioned and handed over to us** _____ **(indicate date) & since then the equipment is has been working to our entire satisfaction.**

Place:_____

Date:_____

Name & Designation of the officer with seal_____

(in capital letters)

Section – X
TENDER FORM

Date _____

To

**SVP (GB), 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 schedule(s), attached herewith and made part of this tender.** If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE**A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1	2	3	4	5						6
Schedule/ Items	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 Located in India (a)	Excise Duty (if any) [%age & value] (b)	Sales Tax/ VAT(if any) [%age & value] (c)	Inland Transportation, Insurance charges for a period including 3 months beyond date of delivery, loading/ unloading and Incidental costs till consignee's site (d)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (e)	Unit Price (at Consignee Site) basis (f) =a+b+c+d+e	

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 _____

SECTION – XI PRICE SCHEDULE

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1 Schedule/ Items	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Currency)											
				Gross FOB price at sea/air port of Lading (inclusive of Agency Commission)	Amount and percentage of Agency Commission **	Net FOB (excluding Agency Commission) (a-b)	Insurance & Freight	Net CIP by Air/ Sea at the port of entry (c+d)	Custom Duty amount as % of Net CIP (amount with CDEC or as applicable) **	Custom Clearance & Handling Charges **	Loading/ unloading, inland transportation, insurance as per Clause 11 of GCC & incidental cost till consignee's site **	Installation commissioning, supervision. Demonstration & training at the consignee's site **	Unit price on DDP basis at consignee's site		
				(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(i) In Indian Rupees (b+f+g+h+i)	(ii) In foreign currency (e)

Total price at Consignee's site

** (i) In Indian Rupees column 4 x (b+f+g+h+i) Rs _____ (In figures and words)
(ii) In foreign currency column (4 x e) _____ (In figures and words)

Note: -

1. The Tenderer will be fully responsible for the safe arrival of the goods at the consignee site in good condition as per terms of DDP and INCOTERMS
2. The bidders break up of prices under various columns are for comparison of prices up to delivery of goods at consignee's site for tender evaluation.
3. The quoted price should be supported with original proforma invoice from the foreign manufacturers. The proforma invoice should indicate the percentage of agency commission included in the FOB prices. Indian Agent to be paid in Indian Currency.
4. All the components of the DDP price will be paid by the tenderer. The purchaser will make the payment of DDP price after receipt of goods at consignee's site in good condition as per payment terms in the contract.
5. The prices quoted in foreign currency in column (e) shall be converted in Rupees at the selling rate of exchange applicable on the date of price tender opening. The customs duty at a uniform rate of 17.41% on net CIP value in rupees will be added to CIP price for evaluation and equitable comparison of tenders on DDP basis.

Name _____

Business address _____

Signature of Tenderer _____

Place: _____

Date: _____

Seal of Tenderer _____

SECTION – XI PRICE SCHEDULE**C) PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD TO BE QUOTED FOR 2 YEARS**

1	2	3	4		5
Item Sl. No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Comprehensive Maintenance Contract Cost for Each Unit year wise*.		Total Comprehensive Maintenance Contract Cost for 2(or as specified) Years [2 x (4a+4b)]
			1 st	2 nd	
			a	B	

- * After completion of Warranty period

NOTE:-

1. 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 2 years on yearly basis for complete equipment and Turnkey (if any).
2. 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.
3. Cost of CMC will be added for Ranking/Evaluation purpose.
4. The payment of CMC will be made as per clause GCC clause 21.1 (D).
5. All software updates should be provided free of cost during CMC period.
6. The supplier shall keep sufficient stock of spares required during Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

**SECTION – XI PRICE SCHEDULE
D) PRICE SCHEDULE FOR TURNKEY**

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

Note: -

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

Name _____

Business Address _____

Signature of Tenderer _____

Seal of the Tenderer _____

Place: _____

Date: _____

**SECTION – XII
QUESTIONNAIRE**

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

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

SECTION – XIII
BANK GUARANTEE FORM FOR EMD

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

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

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

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

(Signature of the authorised officer of the Bank)

Name and designation of the officer

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

To be enclosed with Techno-Commercial Bid

ANNEXURE-A

BIDDER PARTICULARS

1. Name of the Bidder :
2. Address of the Bidder :
3. Name of the Manufacturer (s) :
4. Address(es) of the Manufacturer :
5. Name and address of the person: To whom all references shall be made regarding this tender inquiry.

Telephone:
Telex : Fax:
E-mail address:
Witness:

Signature

Name
Address
Designation
Company
Date
Company Seal

To be enclosed with Techno-Commercial Bid

ANNEXURE-B

UNDERTAKING

To,

.....
.....
.....

Sir,

Having examined the Bidding Documents of Tender No. _____
undersigned offer to supply, install, commission, _____ and
we undertake, if our bid is accepted, _____ to complete delivery of
all the items specified _____
in the contract within _____ weeks calculated from the date of
receipt of your
Notification of Award and to complete the installation, testing commissioning _____

Signature and Seal

(In the capacity of)

Only Authorized to sign bid for and on behalf of

To be enclosed with Techno-Commercial Bid

ANNEXURE-C

BIDDER PROFILE

A. General Information:

(i) Location of Corporate Headquarters
: (ii) Date and Country of Incorporation
: (iii) Manufacturing Facility (S)
Location Size Capacity
(iv) No. of Service Facility(S) in India
Location
Strength
Area Covered
(v) Average yearly turnover for last three
years: (vi) Geographical Distribution of the
Supplier : No. of Offices
Locations
Staff strength
(vii) Total No. of installations of the system
offered. (viii) No. of Employees
Total No. Manufacturing R&D (If
any) Hardware Maintenance
Software

B. Reference of Major installation with similar products (attach documents in support, if available)
_____S. No. Customer Name, Address Product Description

Telephone
Fax Number
(No. of Machines installation year wise).

Date.....

Signature and seal of bidder

SECTION – XIV
MANUFACTURER’S AUTHORISATION FORM

To

**SVP (GB), 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. Photocopy not acceptable.*

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To

Head of Hospital/Institute/Medical College / Port Offices

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 42 (forty two) 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

To be enclosed with Techno-Commercial

ANNEXURE

PROFORMA OF GUARANTEE FOR SUPPLY OF SPARES DURING POST WARRANTY PERIOD

To,
.....
.....
.....

Sub: Tender No.....

Dear Sir,

In consideration of the (hereinafter referred to as "Purchaser" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assignees) having awarded to M/s..... with its Registered/Head office at (hereinafter referred to as the "Supplier" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assignees), a contract by issue of the Purchaser's letter of Award no..... dated entering into a formal contract to that effect with the Purchaser on vide agreement dated..... (hereinafter referred to as the contract).

We the supplier hereby give a guarantee for the supply of all necessary spares demanded for the routine and emergency maintenance of being supplied by us to for a period of not less than 7 years after the warranty period of 3 years and life time spares thereafter in case asked for by the purchaser.

We further clarify that for the first 3 years i.e. warranty period of 3 years, the equipment is covered by the warranty clause as mentioned. For the remaining period of 7 Years and thereafter for the life time, a detailed list of spares will be supplied to the purchaser for the purpose of enabling him to decide spares needed for routine and emergency maintenance.

Dated..... day of.....20.....

Witness : (Name of manufacturers):

Signature and Seal:

(Signature) Name:

For & on behalf of M/s....

**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: _____

**SECTION – XVI
CONTRACT FORM – B**

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No. _____ dated _____

Between

(Address of Head of Hospital/Institute/Medical College)

And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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 2 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 Consignee. The payment will be made in Indian Rupees.
- j) **Paying authority:** _____ (name of the consignee i.e. authorised official)

(Signature, name and address
of Institute 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 : _____

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/Transporter: _____

(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 No.
---------	---------------------	----------	----------------------------

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:

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

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).

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:

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

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).

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

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**

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

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

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

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

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

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

11. 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

The seller should arrange shipment through the Government of India's Forwarding Agents M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) or obtain

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.

12. 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.

13. 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

14. 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: TRANSCHART, 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

15. 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: TRANSCHART, 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.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.

16. BILLS OF LADING

a. 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).

b. 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 signatory of TE documents and signatory of Manufacturer's Authorisation Form along with a copy of Memorandum of Article/Partnership deed duly notarised?			
3.	(a) Are you a SSI unit, registered with NSIC under Single point registration Scheme or registered with DGS&D for the quoted items ? If so, have you enclosed a copy of the registration certificate? (b) Are you enlisted with DGS&D as Indian Agent under the compulsory Enlistment Scheme of Ministry of Finance, Govt. of India? If so have you enclosed a copy of the enlistment certificate?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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 from the end users in respect of all orders mentioned in the Proforma for performance statement in Sec. IX of TE document.			
b.	Have you submitted copy of the supply order(s) and installation report?			
6.	(a) Have you submitted manufacturer's authorization as per Section XIV? (b) Have you submitted a copy of the agreement between you and your Principal as per clause 14 of GIT?			
7.	(a) Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Bid as per Section XI? (b) Have you submitted with your Price Bid your Principal's /Manufacturer's Original proforma invoice indicating FOB value and Indian Agent Commission?			
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?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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.	(a) Have you fully accepted payment terms as per TE document? (b) Have you accepted “terms of delivery” as per TE document i.e, Delivery at Consignee Site”?			
12.	Have you fully accepted delivery period as per TE document?			
13.	Have you accepted the warranty as per TE document?			
14.	Have you accepted all other terms and conditions of TE document?			
15.	(a) Have you furnished documents establishing your eligibility & qualification criteria as per TE documents? (b) Have you given “write up” as asked for in Qualification Criteria (Section IX) under Note 2?			
16	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
17	Have you submitted the certificate of incorporation?			

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 tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any. Non submission of the above information/documents makes the bid liable to be ignored without any further reference to the Bidder.
-

(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	Contact Address.
RDTL Chandigarh	The Director, Regional Drug Testing Laboratory Sector 39-C, Chandigarh-160036
CDTL Chennai	The Director, Central Drug Testing Laboratory G.M.S.D Campus, No.37,Naval Hospital Road, Periamet,Chennai-600003
CDTL Mumbai	The Director, Central Drug Testing Laboratory Zonal FDA Bhawan Belasis Road, GMSD Compond Mumbai Central,Mumbai-400008
CDTL Hyderabad	The Deputy Drugs Controller(I) Central Drugs Testing Laboratory CDSCO Bhavan, SR Nagar, Hyderabad-5000038
CDL Kolkata	The Director, Central Drugs Laboratory 3,Kyd Street, Kolkata-700016
RDTL Guwahati	The Director, Regional Drugs Testing Laboratory Sixmile,Guwahati-781037
CDL Kasauli	The Director, Central Research Institute, Kasauli Distt. Solan (HP)- 173204

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