

# **TENDER ENQUIRY DOCUMENT**

**FOR PROCUREMENT OF  
MEDICAL EQUIPMENT REQUIRED FOR LAB MEDICINE &  
PATHOLOGY**

**FOR**

**GOVT. OF INDIA**

**MINISTRY OF HEALTH & FAMILY WELFARE**

**HITES/PCD/PMSSY-IV/AIIMS/11/18-19**

*Through*



**(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)**

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## SECTION I

## NOTICE INVITING TENDER (NIT)

**Tender Enquiry No.: HITES/PCD/PMSSY-IV/AIIMS/11/18-19 dated: 13.12.2018**

(1) Procurement & Consultancy Services Division of **HLL Infra Tech Services Limited (HITES)**, a fully owned subsidiary of HLL Lifecare Ltd. (HLL), for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites tenders, from eligible and qualified tenderers for supply & installation of Medical Equipment for **Lab Medicine & Pathology** departments of Medical Colleges/ Institutes in various Government Institutes as mentioned in this Tender Enquiry Document:

<i>Schedule No.</i>	<i>RFx No.</i>	<i>Name of the Item</i>	<i>Qty.</i>	<i>Unit</i>	<i>Processing Fee (inclusive 18% GST) in INR</i>	<i>EMD in INR</i>
1	3000003625	ELECTRONIC BLOOD CELL COUNTER WITH SIX PART DIFFERENTIAL	6	Nos.	2,360.00	168,000.00
2	3000003626	FULLY AUTOMATED COAGULOMETER	6	Nos.	3,540.00	600,000.00
3	3000003627	AUTOMATED URINE ANALYZER	6	Nos.	3,540.00	588,000.00
4	3000003628	BINOCULAR MICROSCOPE FOR TEACHING	24	Nos.	3,540.00	288,000.00
5	3000003629	VACUUM ASSISTED TISSUE PROCESSOR	6	Nos.	2,360.00	144,000.00
6	3000003630	EMBEDDING STATION WITH HOT & COLD TABLE & PARAFFIN DISPENSER	6	Nos.	1,180.00	78,000.00
7	3000003631	MICROTOME SEMIAUTOMATED	6	Nos.	1,180.00	72,000.00
8	3000003632	CRYOMICROTOME	6	Nos.	2,360.00	180,000.00
9	3000003633	PENTAHEAD MICROSCOPE	6	Nos.	1,180.00	60,000.00
10	3000003634	CYTOSPIN	6	Nos.	1,180.00	78,000.00
11	3000003635	GROSSING STATION	6	Nos.	3,540.00	600,000.00
12	3000003636	BONE CUTTER	6	Nos.	590.00	24,000.00
13	3000003637	ESR ANALYZER	6	Nos.	1,180.00	78,000.00
14	3000003638	INCUBATOR	6	Nos.	1,180.00	54,516.00
15	3000003639	THALASSAEMIA AND HEMOGLOBINOPATHY TESTING/ SCREENING SYSTEM	6	Nos.	3,540.00	540,000.00
16	3000003640	ULTRA LOW TEMP DEEP FREEZER (-20 to -40°C)	6	Nos.	2,360.00	120,000.00
17	3000003641	FLOWCYTOMETER	6	Nos.	3,540.00	540,000.00
18	3000003642	IHC IMMUNOSTAINER	6	Nos.	3,540.00	540,000.00
19	3000003643	HOT AIR OVEN	6	Nos.	1,180.00	60,000.00
20	3000003644	MICROSCOPE WITH PROJECTION FACILITY	6	Nos.	1,180.00	96,000.00
21	3000003645	MICROSCOPES FOR STUDENTS	360	Nos.	2,360.00	180,000.00
22	3000003646	DEEP FREEZER (-80 DEG.)	6	Nos.	2,360.00	120,000.00
23	3000003647	WATER BATH	6	Nos.	590.00	30,000.00
24	3000003648	WEIGHING BALANCE	6	Nos.	590.00	30,000.00
25	3000003649	LIQUID BASED CYTOLOGY SYSTEM	4	Nos.	3,540.00	272,000.00
26	3000003650	AUTOMATED CLINICAL ELECTROPHORESIS	4	Nos.	2,360.00	120,000.00

<i>Schedule No.</i>	<i>RFx No.</i>	<i>Name of the Item</i>	<i>Qty.</i>	<i>Unit</i>	<i>Processing Fee (inclusive 18% GST) in INR</i>	<i>EMD in INR</i>
27	3000003651	WATER PURIFICATION SYSTEM WITH ULTRAPURE NUCLEASE FREE WATER	4	Nos.	1,180.00	80,000.00
28	3000003652	ELISA READER WITH WASHER	4	Nos.	1,180.00	80,000.00
29	3000003653	CLASS II, TYPE A2 BIOLOGICAL SAFETY CABINET	4	Nos.	2,360.00	122,720.00
30	3000003654	HIGH SPEED AUTOCLAVE	4	Nos.	590.00	16,000.00
31	3000003655	AUTOMATED COVERSLEPPER	4	Nos.	2,360.00	200,000.00
32	3000003656	AUTOMATED SLIDE STAINER	4	Nos.	2,360.00	200,000.00
33	3000003657	REAL TIME PCR	4	Nos.	2,360.00	160,000.00
34	3000003658	GEL DOCUMENTATION SYSTEM	4	Nos.	1,180.00	96,000.00
35	3000003659	THERMAL CYCLER	4	Nos.	590.00	28,320.00
36	3000003660	REFRIGERATED TABLE TOP CENTRIFUGE	4	Nos.	1,180.00	80,000.00
37	3000003661	HORIZONTAL GEL ELECTROPHORESIS SYSTEM	4	Nos.	590.00	40,000.00
38	3000003662	VERTICAL ELECTROPHORESIS SYSTEM	4	Nos.	1,180.00	80,000.00

**Note:**

**1. Processing Fee is inclusive of GST @18% (Our GSTIN: 09AADCH4882R1ZP)**

(2) Tender timeline:

Sl. No.	Description	Schedule
a.	Last date of receipt of Pre-Bid queries	26.12.2018, 1700 Hrs
b.	Pre-bid meeting date, time& venue	28.12.2018, 1100 Hrs HLL Infra Tech Services Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
c.	Closing date & time for submission of online bids	11.01.2019, 1200 Hrs
d.	Closing date & time for submission of <b>tender processing fee and EMD in physical form*</b>	11.01.2019, 1400 Hrs
e.	Time and date of opening of online bids	11.01.2019, 1430 Hrs
f.	Venue for :- • Submission of tender processing fee, EMD in physical form. • Tender Opening-Tech Bid	HLL Infra Tech Services Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

\* Bidders have to submit Original Bank Instruments for processing fee and EMD or proof of EMD exemption as per GIT clause 19.2 (if applicable) within the above mentioned date and time.

**SPECIFIC Instructions for e-Tender Participation:-**

- Bidders should have valid Class 3-B Digital Signature Certificate with encryption.
- 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 (excluding non-working days). In order to submit the bids electronically, bidders are required to have a valid Class 3-B 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 Processing 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.hllhites.com](http://www.hllhites.com) or [www.lifecarehll.com](http://www.lifecarehll.com) or [www.eprocure.gov.in/cppp](http://www.eprocure.gov.in/cppp) or <https://etender.lifecarehll.com/irj/portal>.
9. The bidders shall submit the required Processing Fee (in form of Demand Draft or Banker's Cheque) and EMD (as per GIT clause no. 19.3) in physical form in favour of 'HLL Infra Tech Services Limited' at the scheduled time and venue. **Processing Fee is required from all the bidders irrespective of their registration with NSIC or any other Govt. Organisation.**
10. All the tender related documents to be scanned in .pdf format with lower resolution and 100% readability and submitted online. The bidders shall not submit any other documents in physical form other than the documents mentioned at point no 9 above.
11. Prospective bidders may send their queries 02 (two) days before the pre-bid meeting so that they can be studied and addressed during pre-bid meeting. Query can also be raised during pre-bid meeting. No queries/ representations will be entertained after pre-bid meeting
12. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
13. Bidders shall ensure that their bids, complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**
14. Bidders may simulate bid submission (technical & financial) at least one week in advance of the bid submission deadline. No clarifications/troubleshooting regarding any problems being faced during online bid submission shall be entertained in the last week of bid submission

**IMPORTANT NOTE:-**

**Tender Processing Fee and EMD** (as applicable) should be deposited within the scheduled date & time in the Tender Box located at:

**HLL Infra Tech Services Limited,  
Procurement and Consultancy Division,  
B-14 A, Sector-62, Noida-201307, Uttar Pradesh**

**CEO  
HLL Infra Tech Services Limited**

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

### 1. Definitions and Abbreviations

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

#### 1.2. Definitions:

- (i) **“Purchaser”** means Ministry of Health & Family Welfare Govt. of India.
- (ii) **“e-Tender”** means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.
- (iii) **“Tenderer”** means Bidder/the Individual or Firm submitting Bids/Quotation/e-Tenders.
- (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 (AIIMS)/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that “another” person is the consignee, also known as ultimate consignee.
- (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.
- (xiv) **“Local supplier”** means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries/ Departments in pursuance of this order.
- (xv) **“Local content”** means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.
- (xvi) **Margin of purchase preference’** means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

#### 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) “NSIC” means National Small Industries Corporation
- (viii) “PSU” means Public Sector Undertaking
- (ix) “CPSU” means Central Public Sector Undertaking
- (x) “LSI” means Large Scale Industry
- (xi) “SSI” means Small Scale Industry
- (xii) “LC” means Letter of Credit
- (xiii) “DP” means Delivery Period
- (xiv) “BG” means Bank Guarantee
- (xv) “CD” means Custom Duty
- (xvi) “RR” means Railway Receipt
- (xvii) “BL” means Bill of Lading
- (xviii) “FOB” means Free on Board
- (xix) “FCA” means Free Carrier
- (xx) “FOR” means Free On Rail
- (xxi) “CIF” means Cost, Insurance and Freight
- (xxii) “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.
- (xxiii) “DDP” means Delivery Duty Paid named place of destination (consignee site)
- (xxiv) “INCOTERMS” means International Commercial Terms as on the date of Tender Opening
- (xxv) ”MOH&FW” means Ministry of Health & Family Welfare, Government of India
- (xxvi) “Dte. GHS” means Directorate General and Health Services, MOH&FW.
- (xxvii) “CMC” means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- (xxviii) “RT” means Re-Tender.
- (xxix) “GST” means Goods and Services Tax

## 2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services on behalf of Ministry of Health and family welfare (MoH&FW) as mentioned in Section – VI – “List of Requirements”, which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - “General Instruction Tenderers”) provides the relevant information as well as instructions to assist the prospective bidders in preparation and submission of bids. 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, 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” (NIT), the TE documents include:

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

- Section XV – Bank Guarantee Form for Performance Security/CMC Security  
 Section XVI – Contract Forms A & B  
 Section XVII – Proforma of Consignee Receipt Certificate  
 Section XVIII – Proforma of Final Acceptance Certificate by the consignee  
 Section XIX – Consignee List  
**Appendix A – DIPP – Public Procurement (Preference to Make in India), Order 2017**  
**Appendix B – Integrity pact**

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, to all prospective tenderers, who 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 on their letter head duly signed and scanned through email to [pcd@hllhites.com](mailto:pcd@hllhites.com) and [bmenoida@hllhites.com](mailto:bmenoida@hllhites.com). The purchaser will respond to such request provided the same is received by the purchaser **within the due date mentioned in the NIT. Any queries/representations received later shall not be taken into cognizance.**

## C. PREPARATION OF e-TENDERS

### 11. Documents comprising the e-Tender

- 11.1 The tender(s) shall only be submitted online as mentioned below:
- (i) Technical Bid (Consisting of Techno-Commercial bids in excel format provided with the tender enquiry along with the supporting documents i.e. scanned copies of Tender Processing Fee, EMD, Eligibility Criteria & Technical Specifications viz. Product Specification Sheets/Brochures, OEM Certificate, etc.) has to be attached in the C-folder of e-tendering module. Bidders have to ensure that the documents uploaded in pdf format are legible.
  - (ii) Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry.

#### Note:

- (i) The Tender Processing Fee and EMD, in favor of HLL Infra Tech Services Ltd, are to be submitted in physical form as per Section - I, Notice Inviting Tender, of this tender enquiry.

- (ii) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Techno-Commercial Bid.

**A) Details of Technical Tender (Un priced Tender)**

**Bidders shall furnish the following information along with technical tender:.**

- i) Techno-Commercial Bid in excel format provided with the tender enquiry
- ii) 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.
- iii) Tender Form as per Section X (without indicating any prices).
- iv) 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.
- v) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorization **strictly as per the prescribed format (Section - XIV)**.
- vi) Power of Attorney issued by Competent Authority in favour of the person **who is digitally signing/ uploading the tender(s)**.
- vii) 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.
- viii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- ix) 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).
  - x) Certificate of Incorporation.
  - xi) Self-Attested copies of GST registration certificate and PAN Card.
  - xii) Non conviction /no pending conviction certification issued by Notary on judicial stamp paper for preceding three years.
  - xiii) Self-Attested copies of quality certificates i.e. ISO/ US FDA /CE /BIS Certificates issued by competent authority, if applicable.
  - xiv) Documentary evidence stating the status of bidder.
  - xv) List of procurement agencies of repute to which the tendered product have been supplied during last 12 months.
  - xvi) Self-attested copies of annual report, audited balance sheet and profit & loss account for preceding three years from the date of tender opening.
  - xvii) 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.
  - xviii) 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) **during last two years**.
  - xix) **Copies of original product catalogues / data sheet must be enclosed of all quoted items.**
  - xx) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
  - xxi) ***The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should***

***be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.***

- xxii) ***The bidder/Manufacturer should submit details of registered office/ registered service center along with the contact details across India in the following regions i.e. East, West, North & South.***

## **B) Price Bid:**

Prices are to be quoted in the prescribed Price Bid format in excel provided along with the tender enquiry in the e-tender portal. The price should be quoted for the accounting unit indicated in the e-tender document.

### **Note:**

- (i) **The bidder has to be diligent while filling up the Techno-Commercial Bid and Price Bid provided in excel formats and must not tamper with the contents of the sheets.**
- (ii) **Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry. If any bidder quotes NIL charges / Consideration (Either for equipment, CMC or Turnkey etc.) the bid shall be treated as unresponsive and will not be considered.**
- (iii) It is the responsibility of bidder to go through the TE document to ensure furnishing all required documents in addition to above, if any.
- (iv) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Price Bid.

11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.

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

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

## **12. Tender currencies**

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

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 Japanese Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only (INR), 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 currency may not be accepted and are liable to be ignored.

- 12.4 A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

### 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.
- 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. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like, Custom Duty and/or GST 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;
  - Any taxes and duties including Custom duty and/or GST, which will be payable on the goods in India if the contract is awarded;
  - Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading& Unloading etc. 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;
  - The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
  - The prices of Site Modification Work (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
  - The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.
  - Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry. If any bidder quotes NIL charges / Consideration (Either for equipment, CMC or Turnkey etc.) the bid shall be treated as unresponsive and will not be considered.**
- 13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:
- The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
  - Price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List
  - The charges for Insurance (local transportation and storage), custom clearance, forwarding and handling 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. 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;
  - The charges for Incidental Services, as in the List of Requirements and Price Schedule;

- e) The prices of Site Modification Work ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

### 13.5 **Additional information and instruction on Duties and Taxes:**

13.5.1 If the Tenderer desires to ask for GST or any other taxes 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 taxes and no claim for the same will be entertained later.

#### 13.5.2 **Local Duties & Taxes, if any applicable:**

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

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

#### 13.5.3 **Customs Duty:**

The Purchaser will pay the Customs duty wherever applicable upon actual production of documentary evidence.

#### 13.5.4 **Goods and Services Tax (GST) :**

- a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services 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.
- b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST, Custom Duty, or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.
- 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 and/or GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of duty must 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.

13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.

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

#### 14. **Indian Agent**

- 14.1 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) As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, it is compulsory for Indian agents, who desire to quote directly on behalf of their foreign principals, to get themselves enlisted with the Central Purchase Organization (eg. DGS&D).
  - b) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
  - c) The details of the services to be rendered by the agent for the subject requirement.
  - d) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
  - e) 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).
  - f) Principal's/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. Bidders are requested to quote BOQ wise unit price (**uniform unit prices must be quoted for same BOQ items across India**) and total price. If a firm quotes NIL Charges/ consideration, the bid shall be treated as unresponsive and will not be considered

#### 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) Deleted

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

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

## 19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 MSE firms as per classification given in MSME Act 2006 and holding Permanent Registration Certificate from the District Industries Centers 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 Small and Medium Enterprises will be granted exemption from payment of Earnest Money Deposit. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (as the case may be).

**A) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.**

**B) Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME.**

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

## 20. Tender Validity

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

## 21. Digital Signing of 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 tender documents in the prescribed format. The relevant tender documents should be uploaded by an authorised person having Class 3 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 along with the Techno-Commercial Bid in excel format:
- a) Scanned copies of tender processing fee and EMD
  - b) 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).
  - c) Tender Form as per Section X.
  - d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc
  - e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt. Dept/ Agencies
  - f) Copy of PAN.
  - g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
  - h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till December 2017, in pdf format.
  - i) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
  - j) Quality Control Requirements as per Section VIII
  - k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
  - l) 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.
  - m) The bidder should submit blank proforma invoice from the foreign manufacturer along with his technical bid, duly mentioning the specifications and code number of the parts quoted.
  - n) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.
  - o) In case the bidder quotes an equipment of a foreign manufacturer and submits the documents as per Clause 22.1 (i) l & m from the subsidiary company of the foreign Original Equipment Manufacturer in India, the bidder must submit the Power of Attorney given to the subsidiary company by the foreign Original Equipment Manufacturer, authorizing it to do business and perform all obligations for and on behalf of the foreign manufacturer company, in India.
  - p) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
  - q) ***The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab-initio rejected without assigning any reason.***

### (ii) PRICE BID (ONLY ONLINE)

- a) The tenderers must ensure that they submit the Price Bid in prescribed format uploaded along with the tender enquiry. It is the responsibility of the bidder to ensure that the contents of the format are not tampered.
- b) The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.
- c) Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance and/or reputed central/state government hospitals should be uploaded in pdf form for reasonability of the offered price.
- d) The bidder should submit the copy of original proforma invoice from the foreign manufacturer along with the price bid.
- e) The supplier shall justify the present quotes based on previous purchase orders for similar project executed either in India or Globally. If they quote any new model or upgraded version of earlier model, they may mention the same in their tender.
- f) Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry. If any bidder quotes NIL charges /consideration, the bid shall be treated as unresponsive and will not be considered”.

22.2 The tenderers must ensure that they submit the on-line tenders within the scheduled closing date & time. They shall also ensure to submit the original Tender Processing Fee and EMD within its scheduled date & time.

### 23. Late Tender:

23.1 There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system. However, if the necessary Tender Processing Fee and EMD in original are not submitted within the scheduled time, the tender shall be declared as late tender and online tender shall not be opened and shall be ignored.

### 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 of bid opening.

## 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 This being a Two - Tender system, 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.

## **F. SCRUTINY AND EVALUATION OF TENDERS**

### **26. Basic Principle**

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

### **27. Scrutiny of Tenders**

27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished and, whether the documents uploaded are in legible form.

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

27.3 Deleted

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

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

- (i) Tender validity is shorter than the required period.
- (ii) Required EMD or its exemption documents have not been provided.
- (iii) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
- (iv) Poor/ unsatisfactory past performance.
- (v) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (vi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (vii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the quoted schedule.
- (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
- (ix) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
- (x) The bidder/Manufacturer should submit details of registered office/ registered service centre along with the contact details across India in the following regions i.e. East, West, North & South.

**28. Minor Informality/Irregularity/Non-Conformity**

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post 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**

Not applicable being e-Tender.

**31. Qualification Criteria**

- 31.1 Bids which do not meet the required Qualification Criteria prescribed in Section IX, will be treated as non - responsive and will not be considered further.
- 31.2 The Purchaser reserves the right to relax the Norms on Prior Experience for Start-ups and Micro & Small Enterprises in Public Procurement.

The Start-ups are defined in Annexure-A of the "Action Plan for Start-ups in India". The same is available on the website of Department of Industrial policy and Promotion (DIPP), Ministry of Commerce & Industry.

**The Notification is available in the below link:**

[http://www.finmin.nic.in/the\\_ministry/dept\\_expenditure/ppcell/RelaxNorms\\_StartupMedEnterpris\\_e25072016.pdf](http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StartupMedEnterpris_e25072016.pdf)

**The FAQs are available in the below link:**

[http://dipp.nic.in/English/Investor/startupindia/FAQs\\_StartupIndia\\_30March2016.pdf](http://dipp.nic.in/English/Investor/startupindia/FAQs_StartupIndia_30March2016.pdf)

**32. Conversion of tender currencies to Indian Rupees**

32.1 Deleted,

**33. Schedule-wise Evaluation**

33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender.

**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 Site Modification Work prices and Comprehensive Annual Maintenance charges (CMC) prices will also be added for comparison/ranking purpose for evaluation. **“Net Present value (NPV) of the actual CMC price quoted for the required CMC period after the warranty period shall be considered for bid comparison and the NPV will be calculated after discounting the quoted CMC price by a discounting factor of 10% per annum.”**

**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, GST or any other taxes which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and

ii) Deleted.

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 purchase 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 1<sup>st</sup> April 2012. The policy mandates that 25% 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 25% 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 25% of the total tendered value. In case there are more than one such eligible MSE, the 25% supply will be shared equally. Out of 25% 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.
- iv. Special provision for Micro and Small Enterprise owned by women. Out of the total annual procurement from Micro and Small Enterprises, 3% from within the 25% target shall be earmarked for procurement from Micro and Small Enterprise owned by women.

**Note: "If the bidder is a MSME, it shall declare in the bid document the UdyogAadhar Memorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do not furnish the UAM Number along with bid documents, such MSME unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012."**

**35.4 Preference to Make in India:** As per the order issued by Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-BE-II dated 15.06.2017; the purchaser reserves the right to give preference to the local supplier. A copy of this order is enclosed at Appendix-A which will form a part of this TED for evaluation and ranking of bids. A local supplier (definition of 'local supplier' is given in clause 2 of the aforesaid order of DIPP) has to submit the following along with their tender(s) failing which their bid will be evaluated without considering such preference mentioned in the DIPP order dated 15.06.2017:

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores. the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

The DIPP has notified a Public Procurement (Preference to Make in India) Order, 2017 vide Order no P-45021/2/2017-B.E-II dated 15th June 2017 (Annexure -1). The procurement policy for Micro & Small Enterprises 2012 has been notified under MSMED Act, 2006 (Annexure 2). The orders mandates that purchase preference shall be given to local suppliers and MSEs in all procurement undertaken by procuring entities. General principles as per above orders and criteria fixed by MoHFW shall be followed for various scenarios for award of contract. Accordingly, the criteria of award of contract will be as under:

- a. In procurement of goods where there is sufficient local capacity and local competition and where the estimated value of procurement is Rs.50 lakhs or less, only local suppliers shall be eligible.
- b. If the estimated value of procurement of goods is more than Rs.50 lakhs and which are divisible in nature, the following procedure would apply:
  - I. In case L1 firm is a local supplier :
    - i. The L1 bidder will be awarded full quantity or 75% quantity in case MSEs quotes are within margin of price preference and also accepts L-1 prices.
    - ii. MSME bidders falling under the margin of purchase preference would be awarded upto 25% of the tendered quantity subject to matching the L-1 rate.
  - II. In case L1 firm is not a local supplier :



- i. 50% of the tender quantity shall be awarded to L1 bidder. Thereafter, the lowest bidder among the local suppliers, will be awarded remaining 50% quantity subject to the local supplier's quoted prices falling within margin of price preference and match the L1 price. In case such lowest eligible local supplier fail to match the L-1 price or accept less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L-1 price for remaining quantity and so on, and contract shall be awarded accordingly.
  - ii. The MSME bidders falling under Purchase Preference would be awarded 25% of the tendered quantity subject to matching the L-1 price.
- c. If the estimated value of procurement of goods is more than Rs.50 lakhs and which are not divisible, the following procedure would apply:
- (i). Among all qualified bids, the lowest bid will be termed as L-1. If L-1 is from local a local supplier, the contract will be awarded to L-1.
  - (ii). If L-1 is not from local supplier, the lowest bidder among the local suppliers, will be invited to match the L-1 price subject to local supplier's quoted prices falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L-1 price.
  - (iii). In case such lowest eligible local supplier fails to match the L-1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L-1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L-1 price then the contract may be awarded to L-1 bidder.

35.5 Minimum Local Content: A supplier shall be considered as local supplier provided the minimum local content of the offered item is 50%.

35.6 Margin of Purchase Preference: The margin of purchase preference shall be 25%.

35.7 Manufacture under license/technology collaboration agreements with phased indigenization are exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content

35.8 Verification of local content

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall require to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating the procuring entity.
- d. A constituted committee with internal and external experts will examine for independent verification of self-declarations and auditor's/accountant's certificates on random basis and in the case of complaints.
- e. A fees of Rs.11,800/- (Eleven Thousand and Eight Hundred Only) (including GST) in the form of demand draft favouring HLL Infra Tech Services Ltd., payable at NOIDA, is required to be deposited with complaints for verification of local content.

- f. False declarations will be breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.
- g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

### **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 to the maximum of 25% of the tendered quantity at the time of awarding the contract, the purchaser reserves the right to increase the quantity further by up to the balance available twenty five (25) per cent of the tendered quantity of goods and services

(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 email (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 there in 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 twenty one 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. The successful tenderer should also submit Proforma Invoice from the foreign principal (if applicable as per contractual price) within 21 days from the date of NOA.
- 42.3 The Purchaser/Consignee reserves the right to issue the Notifications of Award consignee wise.

#### **43. Non-receipt of Performance Security, Proforma Invoice and Contract by the Purchaser/Consignee**

- 43.1 Failure of the successful tenderer in providing performance security, Proforma Invoice 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 EMD**

- 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	
B	8 to 10	TE documents	No Change	
C	11 to 21	Preparation of Tenders	Extra information	
D	22 to 24	Submission of Tenders	Extra information	
E	25	Tender Opening	No Change	
F	26 to 37	Scrutiny and Evaluation of Tenders	Extra information	
G	38 to 46	Award of Contract	No Change	

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

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

**PREPARATION OF e-TENDERS**

A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

*The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.*

*The bidder/Manufacturer should submit details of registered office/ registered service center along with the contact details across India in the following regions i.e. East, West, North & South.*

**B) Price Bid:**

Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry. If any bidder quotes NIL charges / Consideration (Either for equipment, CMC or Turnkey etc.) the bid shall be treated as unresponsive and will not be considered.

**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 Processing 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.

- i) 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.
- ii) The Individual file size of uploading is restricted up to 5 MB. Bidders may upload multiple files (Not exceeding 5 MB individually) & give relevant file name indicating the contents.
- iii) The file name of price bid should match the file of the price bid format uploaded by the purchaser in the portal. This can be downloaded from the **Notes & Attachment** under **Details** of item when the event is in **Display Mode**.

A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

*The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.*

#### **PRICE BID (ONLY ONLINE):**

Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry. If any bidder quotes NIL charges /consideration, the bid shall be treated as unresponsive and will not be considered”.

#### **Scrutiny of Tenders**

A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

The bidder/Manufacturer should submit details of registered office/ registered service centre along with the contact details across India in the following regions i.e. East, West, North & South.

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

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**1. Application**

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

**2. Use of contract documents and information**

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

**3. Patent Rights**

- 3.1 The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, 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 twenty one (21) 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 six months plus number of months under warranty from the date of Notification of Award
- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:  
It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.



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

## **6. Technical Specifications and Standards**

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

## **7. Packing and Marking**

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

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

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

## **8. Inspection, Testing and Quality Control**

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the

transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period.”

- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser’s inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser’s inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser’s inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier’s premises, the supplier shall put up the goods for such inspection to the purchaser’s inspector well ahead of the contractual delivery period, so that the purchaser’s inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser’s inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser’s/consignee’s contractual right to inspect, test and, if necessary, reject the goods after the goods’ arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser’s inspector during pre-despatch inspection mentioned above.  
 “On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee’s premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for.”
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser’s/consignee’s right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Deleted..

## **9. Terms of Delivery**

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

## **10. Transportation of Goods**

- 10.1 Deleted.

- 10.2 Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:  
In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.

### 11. Insurance:

- 11.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:
- i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.
  - ii) Deleted.

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

### 12. Spare parts

- 12.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:
- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
  - b) In case the production of the spare parts is discontinued:
    - i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
    - ii) The supplier shall be responsible for undertaking the supply of any such spare part for the proper up keeping of equipment for a period of 10 years including the warranty and CMC periods.
- 12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the goods so that the same are used during warranty and CMC period.

### 13. Incidental services

- 13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.
- a. Installation & commissioning, Supervision and Demonstration of the goods
  - b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.

- c. Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
- d. Supplying required number of operation & maintenance manual for the goods

#### 14. Distribution of dispatch documents for clearance/receipt of goods

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

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

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

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

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Two copies of packing list identifying contents of each package;
- (iii) Certificate of origin for goods of foreign origin;
- (iv) Insurance Certificate as per GCC Clause 11.
- (v) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

##### B) Deleted.

#### 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.
- The **warranty** shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.
- No conditional warranty will be acceptable.
- Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-
  - Any kind of motor.
  - Plastic & Glass Parts against any manufacturing defects.
  - All kind of sensors.
  - All kind of coils, probes and transducers.
  - Printers and imagers including laser and thermal printers with all parts.
  - UPS including the replacement of batteries.
  - Air-conditioners
- a. Replacement and repair will be under taken for the defective goods.
  - All kinds of painting, civil, HVAC and electrical work

- b. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipment supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment /machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser/Consignee.
- 16. Assignment**
- 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.

### **TERMS AND MODE OF PAYMENT**

#### **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:**

Seventy Five percent (75%) payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents subject to recovery of LD, if any:

- (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) Insurance Certificate as per GCC Clause 11
- (v) Certificate of origin for imported goods
- (vi) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee

##### **b) On Acceptance:**

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

**B) Payment For Imported Goods:**

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

**a) On Shipment:**

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

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

**b) On Acceptance:**

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

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

**d) Payment of Indian Agency Commission:**

Indian Agency commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This is payable against submission of a certificate from the principal supplier that they have realised full and final settlement against their supply.

**C) Payment of Site Modification Work, if any:**

Site Modification Work payment will be made to the bidder/ manufacturer's agent or its Indian Office in Indian rupees as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee

**D) Payment for Annual Comprehensive Maintenance Contract Charges:**

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

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Deleted.
- 21.5 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 custom duty and/or GST or any other taxes) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
  - (b) Delay in supplies, if any, has been regularized.
  - (c) The contract price where it is subject to variation has been finalized.
  - (d) The supplier furnishes the following undertakings:

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

**22. Delay in the supplier's performance**

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



- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter-alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
  - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty and/or GST 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 and/or GST or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.
- 22.6.1 **Passing of Property:**  
The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.
- 22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.
- 22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

## **23. Liquidated damages**

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

termination of the contract as per GCC 24. *Since the Liquidated damages are in virtue of non-performance of services, it will attract GST or any other applicable taxes which in turn shall be deducted from the bidder.*

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

## **24. Termination for default**

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

## **25. Termination for insolvency**

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

## **26. Force Majeure**

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

**27. Termination for convenience**

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

**28. Governing language**

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

**29. Notices**

- 29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

**30. Resolution of disputes**

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India or amendments thereof. 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 appointed by CEO HITES. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)
- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.

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

### 31. **Applicable Law**

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

### 32 **Withholding and Lien in respect of sums claimed**

Whenever any claim for payment arises under the contract against the supplier the purchaser shall be entitled to withhold and also have a lien to retain such sum from the security deposit or sum of money arising out of under any other contract made by the supplier with the purchaser, pending finalization or adjudication of any such claim. It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above, by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the case may be, and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

### 33. **General/ Miscellaneous Clauses**

- 33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.
- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.
- 33.8 If any provisions of this tender enquiry or a contract formed on the basis of this tender enquiry are invalid or void under any of the existing provisions of Indian law, then such provisions will not affect other provisions of this tender enquiry/ 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 and CMC period will be as mentioned in the list of requirement as per section VI of the tender enquiry.**

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

<i>Schedule No.</i>	<i>Name of the Item</i>	<i>Qty.</i>	<i>Unit</i>	<i>Warranty</i>
1	ELECTRONIC BLOOD CELL COUNTER WITH SIX PART DIFFERENTIAL	6	Nos.	5 years
2	FULLY AUTOMATED COAGULOMETER	6	Nos.	
3	AUTOMATED URINE ANALYZER	6	Nos.	
4	BINOCULAR MICROSCOPE FOR TEACHING	24	Nos.	
5	VACUUM ASSISTED TISSUE PROCESSOR	6	Nos.	
6	EMBEDDING STATION WITH HOT & COLD TABLE & PARAFFIN DISPENSER	6	Nos.	
7	MICROTOME SEMIAUTOMATED	6	Nos.	
8	CRYOMICROTOME	6	Nos.	
9	PENTAHEAD MICROSCOPE	6	Nos.	
10	CYTOSPIN	6	Nos.	
11	GROSSING STATION	6	Nos.	
12	BONE CUTTER	6	Nos.	
13	ESR ANALYZER	6	Nos.	
14	INCUBATOR	6	Nos.	
15	THALASSAEMIA AND HEMOGLOBINOPATHY TESTING/ SCREENING SYSTEM	6	Nos.	
16	ULTRA LOW TEMP DEEP FREEZER (-20 to -40°C)	6	Nos.	
17	FLOWCYTOMETER	6	Nos.	
18	IHC IMMUNOSTAINER	6	Nos.	
19	HOT AIR OVEN	6	Nos.	
20	MICROSCOPE WITH PROJECTION FACILITY	6	Nos.	
21	MICROSCOPES FOR STUDENTS	360	Nos.	
22	DEEP FREEZER (-80 DEG.)	6	Nos.	
23	WATER BATH	6	Nos.	
24	WEIGHING BALANCE	6	Nos.	
25	LIQUID BASED CYTOLOGY SYSTEM	4	Nos.	
26	AUTOMATED CLINICAL ELECTROPHORESIS	4	Nos.	
27	WATER PURIFICATION SYSTEM WITH ULTRAPURE NUCLEASE FREE WATER	4	Nos.	
28	ELISA READER WITH WASHER	4	Nos.	
29	CLASS II, TYPE A2 BIOLOGICAL SAFETY CABINET	4	Nos.	
30	HIGH SPEED AUTOCLAVE	4	Nos.	
31	AUTOMATED COVERSLEPPER	4	Nos.	
32	AUTOMATED SLIDE STAINER	4	Nos.	
33	REAL TIME PCR	4	Nos.	
34	GEL DOCUMENTATION SYSTEM	4	Nos.	

<i>Schedule No.</i>	<i>Name of the Item</i>	<i>Qty.</i>	<i>Unit</i>	<i>Warranty</i>
35	THERMAL CYCLER	4	Nos.	5 years
36	REFRIGERATED TABLE TOP CENTRIFUGE	4	Nos.	
37	HORIZONTAL GEL ELECTROHORESIS SYSTEM	4	Nos.	
38	VERTICAL ELECTROHORESIS SYSTEM	4	Nos.	

**Note:-Suppliers are to quote for complete quantity of each schedule.**

**Part II: Required Delivery Schedule:**

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

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

Installation and commissioning shall be done within 30 days of receipt of the stores/ goods at site or within 30 days of handing over the site for installation, whichever is later.

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

**Note:**

- i) The delivery schedule for different sites may be staggered based on the site readiness; the supplier should get confirmation of site readiness from the purchaser before delivery to each site.

**Part III: Scope of Incidental Services:**

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

**Part IV:**

Site Modification Work (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 for a period as specified in table above, from the date of installation, commissioning and acceptance.

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

**Part VI:**

**Required Terms of Delivery and Destination:**

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

At Consignee Site(s)

**b) For Imported goods directly from abroad:**

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

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

**Destination/Consignee details:**

A list of Consignee is given in Section XIX. The goods mentioned at Part-I in this section are intended to be supplied to the following hospitals/medical institutes. However, order may be placed for any hospital/institute across India.



**Section – VII**  
**Technical Specifications**

**Sch. No. 1**

**Technical Specification for Equipment's for Pathology & Lab Medicine**

**ELECTRONIC BLOOD CELL COUNTER WITH SIX PART DIFFERENTIAL**

1. Should provide complete blood cell counting including 5 part WBC differential with capability of doing Reties and NRBC enumeration
2. Must be upgradable to attach with fully automated slide-maker & slide stainer in future
3. **Should have discrete mode to save the cost of reagents**  
**CBC**  
**CBC+Diff**  
**Retic**  
**CBC+Diff+nRBC**  
**CBC+Diff+Retic+Nrbc**
4. Should be based on the principle of counting and sizing
5. Must analyse leucocytes in their native state through laser based scatter analysis .
6. Hemoglobin method equal in accuracy to reference method
7. **Deleted**
8. True 5 part differential analysis by 3 dimensional measurement
9. PC based data management with all scatter plots, histograms and display and in print
10. Automatic probe wipe and wash
11. Open Vial, Predilute and Closed vial mode
12. Must have STAT capability with Positive Bar code identification facility
13. User defined rules & flagging limits
14. Database capacity of at least 20,000 sets of results and graphics
15. Should have workload recording
16. Should have unlimited number of user-definable control files
17. Should have auto stop function in event/**QC failed alarm** in case unacceptable control data
18. Should be able to transmit results to host computer
19. Throughput should be minimum 100 samples. / hour in Primary mode.
20. WBC linearity should 0.0 to **300 x 1000** cells/microlitres
21. WBC linearity should 0.0 to 3000 x 1000 cells/microlitres
22. Must be able to select CBC, CBC and Diff and Reticulocyte testing mode
23. **Deleted**
24. Must directly measure MCV
25. Should be able to differentiate between smaller RBCs and Larger Platelets
26. Must have auto purge function in the software
27. The supplier should have excellent service backup and at least 10 similar machines installed in reputed hospitals/labs.
28. Suitable UPS with One hr backup
29. At least 20 Quality control Files which store 100 runs each XB analysis

30. Should be able to work with Laser printer which should be supplied with the instrument
31. Should not use more than 5 reagents including cleaning agent in order to minimize inventory lot to lot quality control, maintenance and calibration
32. Should have inbuilt autoloader cum mixer with capability of loading min 90 samples at any time
33. Should be able to provide Min at least 30 different parameters.
34. Installation should include validation as per international standard (eg. Westgard/ CLSI)
35. Calibrators should be available when needed i.e Quarterly (3 months in a year) or on failure of QC
36. Coefficient of variation of test should be less than 30 % of the recommended total acceptable error as the CLSI
37. System should be European CE with notified body number or USFDA approved product

**Cost for 1000 Test with all reagent, should be supplied with separate rate provided, rate will be calculated for L1 Ranking.**

**And price will be freezed for three years (50 sample per day for calculation).**

**Added para:-**

- 1. Should be supplied with external printer**
- 2. Control reagents till warranty. (Normal, High, Low)**

**Sch. No. 2****FULLY AUTOMATED COAGULOMETER**

1. Should be Fully Automated Stand alone Coagulometer
2. Should be able to perform Clotting, Chromogenic and Immunological tests and aggregation assays.
3. The analyzer should have facility of High Throughput and rapid processing of samples.
4. The analyzer should be continuous and random access and have minimum 50 sample positions.
5. The throughput should be Minimum 180 PT tests/ Hr.
6. Should have the facility of Primary sample volume check to minimize collection errors.
7. Should have a STAT Facility for emergency samples.
8. Should have the facility to check interfering substances in the patient sample like bilirubin, hemolysis and lipemia with a visible notification in the patient results and printouts.
9. Should have the facility for Storage of Calibration and their curves.
10. The analyzer should have facility for keeping at least 45 reagents on board.
11. Should have barcode for Samples and reagents.
12. The reagent rack should be cooled at 10° C or lower for maximum stability of on board reagents.
13. Should be able to do platelet aggregometry tests.
14. Should have the facility of placing at least 3 vials of the same reagent.
15. Should have the facility of running inhibitor Studies.
16. Should have the facility of running cross mixing tests.
17. Should have the facility of reviewing patient's reaction curves.
18. The Analyzer should have LIS Capability.
19. Should have at least 500 cuvettes onboard capacity.
20. Should have a result storage capacity of at least 10000 sample results with their Reaction curves.
21. The analyzer should have capability of rerun, re-analysis and reflex tests.
22. Should have QC Analysis by L-J charts and Westgard rules.
23. Compatible UPS with a 01 hour supply backup to be supplied along with the Analyzer.
24. Should be a Brand New Analyzer and should have a facility for future upgradation.
25. Should have European CE or US FDA certification or BIS approved.
26. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
27. To be supplied with Branded computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21" or better LED Monitor, Genuine Windows 10 or more, A4 size laser printer and appropriate bar code reader.
28. Start-up kit for at least 200 tests should be provided free of cost.
29. Appropriate work bench/ stand should be provided for the instrument.
30. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
31. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.
32. Five (5) years warranty and Five (5) years CMC should be provided.

**Sch. No. 3****AUTOMATED URINE ANALYSER:**

1. Instrument should be Fully Automated walk away Integrated Urine Analyzer, integrating both Urine Chemistry and Urine Sediment analysis.
2. Instrument should be based on modular platform with facility to add any further required unit in future.
3. For Chemistry, it should provide Parameters like Glucose, Protein, Blood, Bilirubin, Urobilinogen, pH, Ketones, Nitrite, and Leukocyte. There should be option to use strips with additional parameters like Microalbumin and Creatinine.
4. Instrument Strip Feeder should have Storage of 300 test strips at a time with Continuous Loading for True Walkaway Analysis.
5. The instrument should also provide Parameters including Specific Gravity, Turbidity & Colour.
6. For Sediment analysis the instrument must be based on Fluorescence Flowcytometry for measurement of Parameters such as RBC, WBC, Epithelial Cells, Cast and Bacteria with differentiation of types of Epithelial cells.
7. There should be facility to analyse selective samples for Digital Imaging.
8. Digital imaging should only be used to analyse morphology of particles/ cells and not for quantitative estimation.
9. The system should provide Scattergrams and Histograms for easy interpretation.
10. The system should provide additional RBC Morphology Information like Dysmorphic, Isomorphic.
11. The system should be using only Un-centrifuged Native Urine samples for analysis to avoid Centrifugation loss.
12. Software should be User friendly with programmable QC Files for Sediment and Chemistry. Instrument throughput should be minimum 270 samples / hour (chemistry) & 80 samples / hour (sediment analysis).
13. Instrument should be capable of analysis in Automated Sampler Mode with capacity of 80 sample tubes and Internal Barcode for Sample Identification.
14. Instrument should have flexibility to analyze sample in STAT mode for Sediment analysis.
15. The firm should have Controls available for both chemistry and sediment analysis.
16. The system should have separate body fluid mode.
17. In body fluid mode the system should provide all required parameters like RBC, WBC, Epithelial Cells (EC), Mononuclear Leucocytes, Polymorphonuclear Leucocytes, Total Nucleated Cells (TNC) & Bacteria.
18. Body fluid sample volume requirement should not be more than 0.6 ml.
19. Instrument should be provided with advanced data management software or work area management with capacity to store patient results for up to 1, 00,000 patients.
20. The system should have facility for Results Output to Printer or Transmitted to LIS / HIS.
21. Should have European CE & US FDA certification or BIS approved.
22. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
23. To be supplied with Branded computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21" or better LED Monitor, Genuine Windows 10 or more, A4 size laser printer and appropriate bar code reader.
24. UPS backup adequate for the duration of one cycle of processing should be provided.
25. Start-up kit for at least 200 tests should be provided free of cost.
26. Appropriate work bench/ stand should be provided for the instrument.
27. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.

**Sch. No. 4**  
**BINOCULAR MICROSCOPE FOR TEACHING**

Optical system-Infinity corrected system

Focus- Vertical stage movement 25mm or more per course

Stroke Vertical stage movement 1micron or less per

Fine stroke

**ILLUMINATOR: LAMP HOUSE FOR SCIENTIFIC GRADE LED WITH CONNECTING CABLE HAVING LIFE SPAN OF >20,000 HRS**

**Revolving nosepiece: reversed sextuple revolving nosepiece**

Objectives -Plan Achromat **2X/ 2.5X N.A 0.06**

**Plan Achromat 4X/ 5X N.A 0.10**

Plan Achromat 10X N.A 0.25

Plan Achromat 40X N.A 0.65 (spring )

Plan Achromat100X N.A 1.25 (Spring , oil)

**OBSERVATION TUBE: WIDE FIELD TRINOCULAR EYE PIECE TUBE WITH 10X EYE PIECE OF 22MM OR MORE F.O.V**

Stage -Ceramic coated surface mechanical stage with right-hand low drive control with left hand for two specimens

Condenser-Swing out condenser usable form 2X-100X)

**SCIENTIFIC GRADE DEDICATED MICROSCOPY CCD/CMOS CAMERA APPROX 12MP OR MORE AND HAVING REAL TIME IMAGING AND ANALYSIS**

To be supplied with Branded computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21" or better LED Monitor, Genuine Windows 10 or more

The Microscope and camera should be from same manufacturer.

**The system should be upgradeable to Fluorescence attachment with multicolour atleast 6 Filters positions on a turret at a time**

The equipment should be USA- FDA/European- CE approved/ BIS

**Sch. No. 5****VACUUM ASSISTED TISSUE PROCESSOR**

1. Fully enclosed Vacuum Tissue Processor to process up to 200-300 standard Tissue Cassettes
2. Easy-to-learn and operator interface with a solvent-resistant color touch-screen
3. Programmable for 8-15 Programs
4. 09 - 10 reagent containers, 3 cleaning stations, 3 paraffin stations and 1 condensate station
5. Optical level sensors for reagent and wax level in the retort ensures the maximum safety
6. 4 modes of operation ambient, vacuum, pressure and pressure / vacuum option
7. Processing can be started easily from the favorite screen by just touching the screen on short cut icons created for each program.
8. Retort temperature programmable for reagents from ambient to 55<sup>0</sup> C in 1<sup>0</sup> increments and up to 65<sup>0</sup> C for Wax.
9. Wax bath temperature programmable from 40 – 65<sup>0</sup> C in 1<sup>0</sup> increments
10. Filling time of 60 seconds and programmable drain time of 80, 120 or 140 seconds
11. Impregnation vacuum of –70kPa and pressure of +35kPa, on line display during processing.
12. Enhanced reagent management system for monitoring processing history of reagents with resulting change of reagent sequence, data printable for accrediting and QC requirements.
13. Two level security pass word ensures protection of data and provide access to authorized personal only.
14. There should be provision for continuous agitation to keep reagent temperature uniform throughout.
15. Fluid re-circulation time for first cycle 12 minutes and time between cycles 20 minutes
16. Efficient wax clean cycle to extract solvent contaminants to increase wax life
17. Remote drain and fill of reagents ensures maximum user safety.
18. 4 user programmable clean cycle with the flexibility to run standard, short or extended clean cycle
19. Programmable incubation time 0-99 hours,59 minutes and delay end time up to one week
20. Reagent and Wax containers of 3.3 liters or more capacity.
21. Warning codes and error codes for maximum safety to tissues
22. Unlimited storage of error logs and run logs which are printable by connecting the printer directly to the instrument or copied in USB drive..
23. High efficiency activated carbon filter to reduce exposure to hazardous fumes.
24. Serial communication port, printer port, alarm ports.
25. 5 KVA online UPS support with minimum six hours power backup should be available.
26. There should be provision for display of level indicators.
27. Document supporting & track record and satisfactory performance from institutions of national importance (minimum of one) should be provided.

**Sch. No. 6****EMBEDDING STATION WITH HOT & COLD TABLE & PARAFFIN DISPENSER**

1. Microprocessor controlled bench top unit with high specimen throughput.
2. Paraffin reservoir capacity should be a minimum of 3 liter
3. Paraffin reservoir temperature setting range from 55°C to 70 °C with +/- 1°C steps
4. Ample cold plate to accommodate at least up to 60 blocks.
5. Cassette bath to store at least up to 80 cassettes.
6. Mold warmer temperature programmable from 55°C to 70°C with +/- 1°C steps
7. Work surface temperature programmable from 55°C to 70°C with +/- 1°C steps
8. Paraffin reservoir, cassette bath, mold warmer and work surface temperature should be individually temperature adjustable.
9. Instrument should be programmable for work-days, work starting time, work end time, real time and day of the week for Automatic switch on/off of the instrument.
10. 1-way paraffin flow rate adjustment must be available up to 100% flow.
11. Illuminated workspace for clear visibility of the processing.
12. Activation of paraffin flow via foot switch or using the pressure clip should be available.
13. Spacious paraffin collection tray to collect excess paraffin from work surface should be available.
14. Suppliers should have a good number of installation base with efficient after sales support with proven track record.
15. The equipment should be USA- FDA/European- CE approved model/ BIS
16. EQUIPMENT SHOULD BE SUPPLIED WITH 100 STEEL MOULDS.

**Sch. No. 7**  
**MICROTOME-SEMI AUTOMATED**

**The instrument should have Motorised feeding system with manual sectioning with rocking mode facility and ability for voltage selection, 2nd handwheel brake, separate control panel for display, blade holder, disposables blades of both high and low profile type, universal cassette clamp with following specifications:**

1. Section thickness setting : 0.5 to 100 microns
2. Setting values : 0.5 to 5 micron in 0.5 micron increments  
5 to 20 micron in 1 micron increment  
20 to 60 micron in 5 micron increment  
60 to 100 in 10 micron increment
3. Horizontal specimen feed : 28 mm +/- 1 mm, feed motion via step motor
4. Coarse feed : Motorised coarse feed in two steps  
i.e 300 micron /sec and 900 micron/sec.
- 5. Vertical specimen stroke length : 60 - 70 mm**
6. Specimen orientation : Horizontal 8 deg, Vertical 8 deg.
7. Trimming Section thickness : 1 to 600 micron
8. Specimen retraction : 5 to 100 micron in 5 micron increment,
9. Voltage supply : 230 V-50/60 Hz.

The equipment should be USA- FDA/European- CE approved Model/ BIS

**1. Added Para:**

**1. Demonstration of the quoted model is must.**

**2. Instrument should be supplied with minimum 150 high profile and 100 low profile disposable blades and 2 sets of brushes.**



**Sch. No. 8****CRYOMICROTOME**

1. The Cryostat should be a floor standing model with power requirements of 230 V, 50-60 Hz.
2. Cryo chamber temperature setting should be 0°C to -35°C. Cooling via two separate compressor systems & peltier unit.
3. Specimen cooling facility available should be in the temperature range of – 10 to - 50<sup>0</sup> C.
4. Maximum cooling time up to maximum low temperature should be less than 4 hours after start up.
5. Actively cooled quick freezing shelf should be at -45 °C.
6. Specimen storage shelf should store up to 8 chucks.
7. Maintenance free microtome with section thickness setting range from 0.5 to 30 micrometer should be available.
8. Fully Automatic Sectioning with an option of manual operation should be available.
9. Equipment should be suitable for sectioning of maximum specimen size: 40mm x 55mm.
10. Vertical specimen stroke length available should be 45-60mm, with a horizontal specimen feed of 20-30mm
11. Motorized rapid and slow coarse feed preferably at two speeds 300 - 500µm/s & 800 - 1000 µm/s should be available.
12. Trimming facility should be available.
13. Disposable blade holder system for high & low profile blades with lateral displacement and integrated glass anti-roll guide should be available.
14. Glass anti-roll guide with anti static feature to facilitate perfect stretching of sections should be available.
15. Specimen precision orientation by 8 deg. (in x/y/z axis) should be available.
16. Instrument should have closed drainage system to allow controlled disposal of fluids.
17. Automatic & manual chamber defrost facility should be available with one automatic defrost cycle / 24 hours
18. Duration of the defrost cycle should be 6 – 15 minutes.
19. Manual disinfection facility should be available.
20. System should be quoted with Disposable Blade system.
21. The equipment should be USA- FDA/European- CE approved/BIS
22. Facility of decontamination with UV lamp/ Ozone technology or Cold D disinfection should be available.
23. The equipment should be supplied with 5 packets of disposable blades, 5 bottles of freezing compound & 2 sets of brushes.
24. 50 Pkts of High Profile & 50 Pkts of Low Profile blades should be provided.
25. Document supporting & track record and satisfactory performance from institutions of national importance (minimum of one) should be provided.

**Sch. No. 9****PENTAHEAD MICROSCOPE**

1. Optical system : Infinity corrected system
2. Focus : Vertical stage movement 25mm per coarse stroke
  - a. Vertical stage movement 1micron per fine stroke
  - b. Stage rotation of 270 degrees with Stage Lock and
  - c. Stage Tension adjustment
3. Illuminator : Built-in-Koehler illumination for transmitted light
  - a. LED bulb (pre-centered) Light Intensity adjustment
  - b. Centrally located so both hand can be used to increase
  - c. And decrease light and with auto light intensity
  - d. Adjustment with change of objective lens
4. Revolving nosepiece : Interchangeable/Removable Reversed Coded Quintuple
  - a. Nosepiece for auto light adjustment
5. Objectives : Plan 2x,4x, 10X, 40X, & 100XOil
6. Observation tube : Wide field Trinocular head with FOV 22 mm or
  - a. More with three Light path selection of 100:0, 20:80
  - b. and 0:100
7. Stage : Ceramic-coated coaxial stage with right hand low drive
  - a. Control with X and Y axis Tension adjustment
8. Condenser : Swing out condenser (N.A 1.1), for 2X -100X
9. Teaching Attachment : For 1+ 4 persons
  - a. Head with eyepiece of FOV 22 or more
  - b. LED arrow pointer with variable intensity and with
  - c. Green / Red colour selection
10. There should be provision for demonstration before final approval of equipment
11. The equipment should be USA- FDA/European- CE/ BIS approved.

**Sch. No. 10****CYTOSPIN**

1. The equipment should be a Bench-top centrifuge for cytology specimens
2. The equipment should be capable of thin-layer cell preparation for retrieving cells from various body fluids especially paucicellular fluids and preserving their morphology
3. Should be capable of processing up to 12 specimens at one time
4. Should be equipped with Biological safety cabinet for safety of the operator
5. Auto-lid lock during rotation with a special lid-release mechanism should be available
6. Should be designed for easy disinfection and also have a wipe- clean control panel
7. Should be resistant to fluid spillage on the electronic components with capped disposable sample compartments/ chambers for elimination of aerosol
8. May have different sizes of disposable chambers
9. Safety alarms during all stages of operation should be available
10. Microprocessor based controls and programming for time and speed with pull-out program card for fast retrieval
11. Should be compliant with international standards for electrical equipment requirements for laboratory use
12. 220 V, 50Hz
13. Speed 100 to 4,000 rpm
14. Noise levels < 50 Db
15. The equipment should be a automated slide preparation system that produces uniform thin-layer slides for both gynecologic and non-gynaecological sample processing which should remove obscuring blood, mucus, debris and also thoroughly mix the sample
16. Processes about 80 samples per cycle with automatic chain-of-custody verification of patient samples

**Sch. No. 11****GROSSING STATION**

The equipment should be a floor mounted & should have hydraulic height adjustment facility from 2.5 feet to 3.5 feet approximately.

"There should be facility for video, audio recording as well as photography attachment. The photography attachment should have facility for enlargement.

Should be supplied with the following:

(i) Camera mount facility for digital camera to securely hold camera, should have adjustable ball and socket system, to let the user put camera right where he/she wants it and also should allow ease of adjustment & better coverage.

(ii) Video camera mount which holds video camera securely, adjustable ball & socket system, in order to let the user to put the video camera right where he/she wants it & also allow for ease of adjustment & better coverage.

Should be supplied with the following:

(1) Digital SLR Camera with 18-55 lens, CMOS Sensor, 16 GB card for recording good quality of photographs with computer inter phase (18.0 Mega Pixel). HDMI cable & Carry bag should also be provided.

(2) Video Camera: Quality should be suitable for purpose of recording grossing steps, a CC TV Camera should be provided.

Specification for CC TV Camera:-

- Should have 16 Mega pixel or better.
- Optical Zoom-12x or better
- Digital Zoom-16x or better
- Focus-Autofocus
- Built-Durable & robust, shock resistant and capable of withstanding light showers.
- Video-Full HD 1080, should save still images during video recording.
- Sensor-CMOS Sensor
- Connectivity-USB 2.0
- A compatible DVR with foot switch should be provided.
- Memory-Minimum 16 GB Micro SD Card or better.
- Dimensions-Less than 90 mm (w) x 90 mm (h) x 200 mm (d)
- Weight-Not more than 900 gram.
- Accessories- USB Cable, AC Adaptor, Power Cord, Lens Cap, Micro HDMI Cable.
- Warranty-Two (2) years.

(3) Digital voice recorder: Audio recorder stacked with premium features and enhanced DSS Player Pro with flex arm microphone and Dictation software for outstanding performance should be available.

For IT support, the following should be supplied:

(i) Computer from Branded company 3.0GHZ, Intel Core i5 or more ,4 GB DDR 3RAM or more, DVD writer, 500 GB or higher HDD, along with 18" Flat LED screen monitor, 2USB 2.0 port SD Card slot with in-built CPU.

(ii) Mount for Monitor and keyboard with mouse.

There should be facility for digital measurement of grossing specimens

There should be IT support for storage and retrieval of data recorded with TFT display and recording system.

There should be a formalin tank on top of the station with direct supply system to the work area or there should be a formalin container with spigot.

Should have Hot and Cold water mixing faucet with foot operated control (foot switch/pedal) for hot and cold water On/Off.

The station should be made of noncorrosive high grade stainless steel.

Should have Self Contained Ventilation Assembly with blowers & replacement filters. 10 additional filters should be provided.

Sink with removable filter and ½ hp Commercial Disposal system of corrosion resistant stainless steel construction with on/ off switch should be provided.

**ILLUMINATION:**

(i) Top mounted LED LIGHT fixtures

(ii) Incandescent light with 3X MAGNIFIER mounted on flexible arm.

Magnetic front board should be available to stick instruments for grossing.

Dimension of the table should be approximately:

Length: 4.5 to 5.5 feet.

Height (Lowest): 6.5 to 7.0 feet.

Height (Fully elevated): 7.0 to 9.0 feet.

Width: 2 to 3 feet.

i. Equipment should have END RINSE ASSEMBLY (with ON/OFF valve) which allows debris to flow towards the sink basin.

ii. Should be supplied with SPRAY HOSE with Easy grip assembly with flexible hose, conveniently placed for easy spray cleaning of debris.

iii. DISSECTION BOARD: Polypropylene construction to help preserve dissecting knives and scalpels when in use.

iv. REMOVABLE MEASURING RULE: Anticorrosive metal device for ruling a portion of the subject should be provided, the ruler should include a scale in centimetres and inches.

Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.

Five (5) years warranty and Five (5) years CMC.

Following Accessories should be provided:

1. KNIFE SHARPENER to provide straight and serrated edges; should be 100% diamond abrasive; should have a three step process to provide razor sharp edges. First step should be Sharpening, second step should be honing and the last step should be for stropping and polishing.

2. HAND HELD BONE SAW: Autopsy Saw with Bone vacuum dust collector having HEPA filter should be provided.

Autopsy saw should come with 10 feet cord for greater mobility and with following blades and accessories:-

i. Round Blade without arbour (2.5 in/6 cm): 2 Nos.

ii. Section Blade without arbour (2.5 in/6 cm): 2 Nos.

iii. Standard Saw Arbor: 2 Nos.

The saw should be able to be connected to the Bone Vacuum Dust Collector.

Bone Vacuum Dust Collector should come with vacuum nozzle, disposable filter cartridge (HEPA Filter) and 10 feet power cable.

3. C- FOLD PAPER TOWEL HOLDER: Made of stainless steel.

4. EYE WASH DRENCH ASSEMBLY: Should have flip down way to remove eye contaminants, auto flow eyewash.

5. HANDS FREE SOAP DISPENSER: should have pump mechanism to provide quick and precise dispensing; should be Deck or Wall Mount.

6. ADJUSTABLE AND STATIONERY STAINLESS STEEL SHELVING to keep accessories

7. WRITING PLATFORM with a lift over storage drawer.

8. HANGING DIGITAL AUTOPSY SCALE with Scale Pole & Bracket factory fitted to weigh specimens of 0.1 Kg x 13.6 Kg

- Ability to 0 tare bow, ring and pan

- Bow, ring and pan should be provided

- The Scale Pole height should be able to be secured anywhere along with 360 degree turning ability

9. CASSETTE HOLDERS: three boxes which can be mount to rail in front of the grossing station.

10. TWO FORM HOLDERS mounted on the table to store documents away from any fluids and risk of damage.

11. GLOVE BOX HOLDER.

**05 YEARS WARRANTY WITH QUOTE FOR NEXT 05 YEARS CMC IS REQUIRED INCLUDING ALL ACCESSORIES.**

European CE Certification or BIS approved.

**Sch. No. 12**

**BONE CUTTER**

- 1) The system should be an Efficient, Economical & Precise Instrument for Cutting Bone Specimens.
- 2) The system should be lightweight, easy to clean and maintain.
- 3) The system should be portable table-top unit with a small footprint, approx- 17” x 13”.
- 4) The system should have water-cooled blade to reduce dust and particles (using Cooling System).
- 5) The system should have Saw to cut bone to specimens up to 3” in height; blade guide should be easily adjusted.
- 6) The system should have strong blade that can cut ultra-thin bone slice.
- 7) The system should be constructed of aluminum and stainless steel for durability.
- 8) The system should be 4 blade types and I set of accessories should be available to provide with a versatile lab bone cutting station.
- 9) System should include Foot Pedal Switch, Femoral Head Holder, Small Bone Holder, Saw Blade with Standard Teeth, Saw Blade with Fine Teeth, Saw Blade with Heavy Duty Teeth, Saw Blade Diamond, Splash Guard Cover, Cleaning Stone for Diamond Blades.
- 10) Approx Weight: 8 Kgs
- 11) Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
- 12) Appropriate work bench/ stand should be provided with the instrument.

**Sch. No. 13****LIQUID BASED CYTOLOGY SYSTEM**

1. LBC System which is highly effective in greatly reducing false negative results and provides increased confidence in the detection of pre-neoplastic and invasive cancer, where present.
2. Low Inadequate rates and consistently high PPV (Positive Predictive Values) resulting in the identification of 'true' disease.
3. Should ensure that 100% of the collected sample is sent to the laboratory and provides standardization in the collection process and reduces need for repeat recall and processing.
4. The system should be able to work with various collection methods as spatulas, brushes etc.
5. The retention of the brush head in the container eliminates the risk of any abnormal cells being discarded with the sampling device.
6. Should preferably use an ethanol based preservative as the collection medium.
7. Centrifugation process which effectively removes obscuring blood, mucus and polymorphs while still retaining the important diagnostic material.
8. Should process each specimen to produce up to 8-10 equally representative slides especially for additional testing.
9. Should be capable of handling a high throughput of 45-50 slides stained per hour.
10. Should be able to process multiple specimens at the same time for best laboratory efficiency.
11. Should be capable of running at regular electrical requirements.
12. The preservative fluid for collection of LBC samples must be non-hazardous with easy storage and transport facility.
13. Should be capable of preparing thin layered slide within a standardized smear diameter from the particular sample.
14. For processing of both gynaecological and non-gynaec samples.
15. Storage of samples at room temperature for about 4 weeks and in refrigerator for 6 months to allow performance of additional adjunctive tests such as HPV, if required.
16. Compatible with HPV Testing.
17. To provide the quotations for image analysis.
18. Hidden cost of all reagents and other items not included with the machine to be quoted separately in elaborate detail.
19. All labelling should be completed with the start of the process with bar coding of all samples and to include additional identification details such as name date of birth etc.
20. All consumables and reagent are provided for sample collection and processing.
21. Staining to be included as integral part of system to ensure high degree of standardisation.
22. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
23. Appropriate work bench/ stand should be provided with the instrument.
24. Start-up kit for at least 100 tests should be provided free of cost.
25. UPS backup for the duration of one cycle of processing to be provided.
26. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 14****ESR ANALYZER**

1. The instrument should be able to perform ESR analysis directly from the EDTA vacutainers.
2. Through put should be approx. 60 ESR per Hour.
3. Analyzer should be able to load minimum 30 samples in a batch.
4. Principle should be based on westergren method (sedimentation of red blood cells).
5. Instrument should be equipped with an internal mixer and printer.
6. Analyzer should be equipped with dry technology i.e. there should not be any consumption of any reagent or blood while processing the samples.
7. Analyzer should be equipped with Internal Barcode reader.
8. Analyzer should have temperature correction facility for reporting accurate results.
9. Analyzer should have facility for Internal Quality Control Management.
10. Analyzer must permit Bi-Directional interfacing.
11. RS-232 Serial Connection Port facility should be available.
12. Should have European CE & US FDA certification or BIS approved.
13. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
14. UPS backup adequate for the duration of one cycle of processing should be provided.
15. Start-up kit for at least 200 tests should be provided free of cost.
16. Appropriate work bench/ stand should be provided for the instrument.
17. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
18. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.



**Sch. No. 15****AUTOMATED CLINICAL ELECTROPHORESIS SYSTEM**

1. The instrument should be an automated electrophoresis system with sample capacity of 7,
2. 15, and 30 per gel. Automation for migration and staining is required.
3. The system should have wide menu and should be able to perform electrophoretic
4. analysis of Serum Protein, Haemoglobin, Immunofixation, Bence Jones Proteins,
5. Cerebrospinal Fluid (CSF), Lipoproteins, Iso Creatinine Kinase, Iso Alkaline
6. Phosphatase, Iso Lactate Dehydrogenase.
7. The system should be able to perform test on Urine and CSF without concentration.
8. The system should use disposable applicators for sample application.
9. The instrument should have automatic regulation for voltage, current, power and volt/hour.
10. The system should have ability to run simultaneously on one gel either 54proteins samples, 9 immunofixations, or 15 hemoglobins samples.
11. System should have Sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining to drying allows walk-away operation
12. The temperature control on the instrument should be through Peltier effect.
13. The specification of the instrument is –
  - Voltage range should be - 3.5 to 350 V
  - Current range should be - 3.5 to 200 mA
  - Power range should be - 0 – 30 W
14. The system should have capacity for 40-migration program and 40 staining program.
15. The drying in the system should be by convection heater with laminar air flow.
16. The through put of the system should be
17. Protein - 90 samples / hour
18. Immunofixation - 18 samples / hour
19. Haemoglobin - 45 samples/ hour
20. The staining compartment of the system should operate 8 different reagents.
21. The system should be compact with dimension of 690 mm x 520 mm x 250 mm and a
22. weight of less than 30 kg.
23. System should be supplied with software for gel quantification and compatible with gelscanner.
24. The instrument should be automated agarose gel based electrophoresis system with sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining and drying to allow walk-away operation. It should be an integrated System with all working stations in-built.

25. It should be able to perform electrophoretic analysis of Acid & Alkaline Haemoglobin (Hb), Serum Proteins, Bence Jones proteins, Isoenzymes and Lipoproteins. It should be capable of performing Immunofixation and CSF Isoelectric Focusing.
26. It should be able to perform
27. It should have a wide Test Menu which include:
  - Alkaline Hemoglobin electrophoresis
  - Acid Hemoglobin electrophoresis
  - Serum Protein electrophoresis
  - Immunofixation Violet
  - Immunofixation Blue
  - Bence-Jones protein electrophoresis and Immunofixation
  - Pentavalent Immunofixation
  - CSF Isoelectric Focusing
  - High resolution (H.R). Protein electrophoresis
  - SDS Urine Protein electrophoresis
  - Lipoproteins
  - LDH Isoenzymes
  - CK Isoenzymes
  - ALP Isoenzymes
28. Automated Sampling Station With 2 Applicators
29. At least 12-13 Independent Sample Probes
30. Automated Sample Pick Up
31. Auto Rinsing for Zero Carry Over
32. Pre –Configured Work Station
33. Option For On Board Reagents
34. Ready To Use Pre Standardized Reagent Kits
35. Dry migration Chamber
36. Peltier Driven Precise Temperature Control
37. Flexible Migration With Ability To Use 2 OR 3 Electrodes
38. No Adjustment Of Voltage, Time ,Temperature & Current
39. Pre Programmed Assay Protocol
40. Positive Strip & Migration Detection With Auto Alert
41. Faster Migration
42. Instrument Controlled Staining & De-staining Steps
43. Instrument Controlled Incubation & Drying Steps
44. Online Monitoring Of All Processes

45. Additional Software for Advanced Data Management Software
46. Print Out Of Graphical Reports
47. Patient Data Storage Facility
48. Customizable Reporting Format
49. Compact Foot Print
50. Power Supply: AC 90-260V. 50/60 Hz
51. Connectivity: USB
52. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
53. Appropriate work bench/ stand should be provided with the instrument.
54. To be supplied with computer (minimum i7 processor, 1 T B HDD and 4 GB RAM), A4 size laser printer and appropriate bar code reader.
55. Start-up kit for at least 100 tests should be provided free of cost.
56. UPS backup for the duration of one cycle of processing to be provided.
57. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.
58. Gel scanner and scanning software should be provided along with the electrophoresis system.

**Sch. No. 16****INCUBATOR**

1. Should have Dual convection for versatility of application: fan speed adjustable from 0 to 100%
2. Should have advanced digital timer for daily or weekly on / off cycles.
3. Should have Stainless steel interior (1.4301) is easy to clean and corrosion resistant
4. Should be Stainless steel exterior
5. Should have Broad temperatures range from 5 °C above ambient to 105 °C – even suitable for drying application
6. Should have Temperature uniformity as good as  $\pm 0.2$  °C.
7. Should have Temperature stability at  $\pm 0.1$  °C.
8. Turn the unit off at specific time – can be used to interrupt cell growth at specified time: Choose from real time or hour settings
9. Unit is switched on and off at specified time – no need to waste energy when unit is not in use!
10. Convection technology: Dual Convection
11. Temperature range: ambient +5 °C to 105 °C
12. Spatial temperature deviation<sup>1</sup> at 37 °C:  $\pm 0.6$  °C
13. Temperature deviation over time at 37 °C:  $\pm 0.1$  °C
14. Footprint m<sup>2</sup> / sqft: 0.47 / 5.1
15. Chamber volume L / cuft: 178 / 6.3
16. Dimensions chamber, mm / in (W x H x D): 464 x 708 x 543 / 18.3 x 27.9 x 21.4
17. Number of shelves supplied / max: 2 / 19
18. Max. shelf load kg / lb: 25 / 55
19. Rated voltage / frequency V / Hz: 230 / 60
20. Rated power / max. current: 1300 / 5.7
21. Weight kg / lb: 70 / 154
22. Energy consumption at 37 °C: 36W.
23. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
24. After Sale, Service should be available promptly.
25. Should provide yearly calibration certificate including temperature calibration verification test, temperature non-uniformity test and performance diagnostic test within warranty as well as in CMC.
26. Should be CE or FDA or BIS approved product
27. Appropriate work bench/ stand should be provided with the instrument.
28. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 17****THALASSAEMIA AND HEMOGLOBINOPATHY TESTING/ SCREENING SYSTEM**

1. Should be fully automated HPLC system, dedicated to Thalassaemia and hemoglobinopathy testing and screening.
2. The system should be able to screen and quantitate hemoglobins Hb A2, Hb A and Hb F and detect commonly occurring abnormal hemoglobins like Hb S, Hb D, Hb E, Hb C, Hb Q- India, Hb D-Iran and other rare abnormal hemoglobins.
3. The system should have the provision of presumptive identification of Hb Barts and Hb H and various alpha chain variants like Hb J Meerut, etc
4. The company should have broad installation base with at-least 10 years of presence in India and should be able to provide the relevant product, reagent and service support.
5. The system should have spinning of vacutainer before aspiration to avoid improper sampling.
6. The system should have automatic barcode positioning facility.
7. The system should be quoted with a complete ready to use reagent kit and not individual items so that all the reagents are of the same lot.
8. Levels of buffers should be visible during the run.
9. The system should have an online & offline (CD-ROM) chromatogram library which should be a searchable database with approximately 200 chromatograms of fully classified abnormal hemoglobins and thalasseмииas.
10. The system should have built in QC management system capable of storing the quality control data and printing the standard deviation and coefficient of variation values.
11. The company should provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide External Quality Assurance Scheme (EQAS) to help compare results with similar users worldwide.
12. The system should have dedicated computer and software, which enables the system for bidirectional interfacing. Moreover the software should have customized reporting format, giving info on the subtype and quantity of hemoglobin detected. Also the software should enable result storage of minimum 5000 chromatograms.
13. The system should be capable to run 100 sample vials & primary tube sampling.
14. The system should have facility of STAT sampling & continuous sample feeding.
15. The system should be capable to track positive samples.
16. The system should have online library available to help investigate abnormal hemoglobins.
17. The system should accept different types of sample tubes.
18. It should have a built in column thermostat for reproducibility of results.
19. The system should be capable of processing at least 100 samples at a time.
20. The system should have alarms for overflow of waste tank.
21. The reagent containers should have a capacity of more than 1.5 litres so that the user does not need to change buffers regularly.
22. The HPLC system should have a dual piston pump so that each elution buffer has a different pump and the buffers work efficiently.
23. The system should have capacity of real-time, bi-directional interfacing with laboratory information system.

24. Should have European CE & US FDA certification or BIS approved.
25. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
26. To be supplied with branded all-in-one computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21” or better LED Monitor, Genuine Windows 10 or more, A4 size laser multifunctional colour duplex printer and appropriate bar code reader.
27. Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.
28. UPS backup adequate for the duration of one cycle of processing should be provided.
29. Start-up kit for at least 200 tests should be provided free of cost.
30. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
31. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 18****ULTRA LOW TEMP DEEP FREEZER (-20 to -40'C)**

1. The unit should have HFC refrigerant.
2. The unit should have 17. Cu ft. capacity upright with (1) 1 horsepower compressor.
3. The unit should have new latch and handle for ergonomic handling and one hand operation.
4. The unit should have powder coat galvanized interior.
5. The unit should have down-feed evaporator.
6. The unit should have fixed stainless steel shelving.
7. The unit should have Triple -sealing silicone door gasket.
8. The unit should have 5" non-CFC foamed-in-place polyurethane insulation; 4.5" in door.
9. The unit should have two 10" tube axial fans to provide maximum cooling of the compressor housing.
10. The unit should have heavy-duty dual wheel swivel locking casters.
11. The unit should have automatic voltage compensator responds to high and low voltages.
12. The unit should have powder coat paint for a durable surface.
13. The unit should have service valves provided to allow easy recovery of refrigerants and field servicing.
14. The unit should have front to back airflow with Removable, cleanable air filter.
15. The unit should have hinged grill swings out for easy access to filter and battery.
16. The unit should have a vacuum relief port allows easy re-entry after door openings.
17. The unit should have 4" open x 12" long heavy duty hinge for ensuring positive closure and uninterrupted service.
18. The microprocessor controller must monitor in one degree C increments, with digital display.
19. Operating range of -10C to -40C
20. Temperature probe must be positioned to insure the alarm sounds before the stored product can be affected by a rise in temperature.
21. Battery back-up for the alarm monitoring system
22. Both visual and audible alarms must alert operator of over and under temperature, power fail, door ajar, and low battery conditions.
23. Dry contacts included for connection to optional remote alarms.
24. The system should be provided with 2 'Thermohygrometers' of standard make with date/time/temperature/humidity display.
25. Should be built to and contain the registration mark for UL, cUL, and CE standards for safety and performance.
26. Should be manufactured by an ISO-9001 certified company.
27. Should have European CE or US FDA certification or BIS approved.
28. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
29. UPS backup of 3 KVA, adequate for 1 hour back-up should be provided.
30. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
31. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 19****FLOW CYTOMETER**

- 1) Bench Top Flow Cytometer should have 3 lasers (red, blue and violet) and should be capable of minimum 10 parameter analysis (minimum 8 fluorescent plus forward and side scatter).
- 2) The company should mention laser power output and minimum laser power received at the flow cell at the time of sample acquisition, for all lasers in the offer.
- 3) Should have sample acquisition rate of at least 10,000 events per second or more.
- 4) The system should have threshold settings option on multiple channels/ parameters for a single sample run.
- 5) Must have compensation capability between all fluorescence channels manually and through auto compensation.
- 6) The system software should be capable of establishing baseline settings of system performance and be able to adjust for instrument variability thereby automating instrument setup.
- 7) The equipment should have analogue/ digital signal processing with dynamic range of at least 18bit data acquisition or more in order to get the clear resolution.
- 8) Optical filters should be easily changeable by user without having to call service engineers.
- 9) Carry-over of the fluidics of the system should not be more than 0.1%.
- 10) The company should provide standard software for complete plot and graphical analysis of flow files with facilities such as back gating.
- 11) The instrument should be capable of performing daily QC and of maintaining long term quality assurance data for monitoring performance of the instrument.
- 12) Must have automated loader with minimum of 30 tubes or more.
- 13) Must have provision for integrated bar code reading to identify carousel number & tube location.
- 14) System should be CE-IVD approved for maximum parameters used in analysis.
- 15) The data management system should have PC workstation with at least processor, 160 GB hard disk drive, DVD/CD writer(combo drive), 22" monitor and colour laser jet printer.
- 16) On-line UPS with at least 30 minutes backup should be quoted with the system and should be supplied with the equipment.
- 17) The company should provide multiple time to time free trainings to the users as per their requirement during setting up of flow lab and later for up gradation.
- 18) Participating company should have direct presence in India with relevant application and service specialist for anytime support.
- 19) The company should have proven capability demonstrated in the past in after-sale-service and application support in the field of flow cytometry instrumentation in India.
- 20) Equipment will be selected only after proper demonstration.



**Sch. No. 20****IHC IMMUNOSTAINER**

1. The system should be fully automated Immuno staining system for Immuno Histochemistry and In-situ hybridization, preferably SISH and FITC independently or simultaneously.
2. It should perform all the process automatically from baking to counterstain.
3. Totally hands free day or night with option of delay start.
4. Compatible with paraffin wax and frozen section and cytology smears.
5. Antibody menu of more than 20 primary antibodies at one time.
6. Minimum antibody dispersion of 100 µl to maximum of 150 µl.
7. Capable of operating at temperature of 20- 32 degrees C.
8. The equipment should be FDA/CE approved.
9. The Immuno Stainer should have the capacity of staining minimum 30 Slides at a time.
10. The Staining System should have inbuilt antigen Retrieval system for Heat treatment required for antibodies.
11. The Immunostainer system should have the Convertile/Equivalent technology with latest software which should be upgradable.
12. The stainer should have Liquid Level Sensing (LLS). It should also alert when reagents are low or waste is full.
13. The stainer should have Robotic ID Imager or RFID or equivalent to identify the slides and reagents loaded in the Processing Module.
14. The Stainer should have Optical Character Recognition (OCR)/ bar code reader.
15. The Immuno Staining system should have the facility of LIS connectivity.
16. The equipment should be LAN/HIS compatible.
17. 220- 440 VAC, 50 Hz with Indian Plug and Online UPS and at least 1 hour backup.
18. Core staining consumables (for 1000 Slide) should be supplied free of cost.
- 21) Primary antibody worth Rs. 1.0 Lac should be supplied free of cost at the time of installation.
- 22) All software update should be provided free of cost for life time.
- 23) Documents supporting track record and satisfactory performance from institutions of national importance (minimum of one) should be provided.

**Sch. No. 21****HOT AIR OVEN**

1. Instrument should be based on Convection technology - Gravity convection.
2. Chamber volume should be L / cu. Ft. 160 Liters / 6.0 or more.
3. Instrument should have stainless-steel interior for easy clean and corrosion resistant (steel quality AISI 304 or better). Exterior should also be superior quality stainless steel.
4. Instrument should have facility to turn on or off at pre-set times.
5. Instrument should have door lock to prevent disruption, tampering or accidental opening.
6. Instrument should have facility of door alarm to notify the operator when door is left open accidentally.
7. Instrument should have standard over-temperature alarm and an additional under-temperature alarm to ensure that the samples are kept at the correct temperature.
8. Instrument should have temperatures range: +50°C to 330°C or better.
9. Spatial temperature deviation should be at 150 °C: ± 2.7 °C or better.
10. Temperature deviation over time should be at 150 °C: ± 0.4 °C or better.
11. Number of shelves supplied should be 4 or more.
12. Max. shelf load kg should be 22 kg or more.
13. Rated voltage / frequency should be: V / Hz 230 / 50/60.
14. Rated power / max. current should be: W / A 3100 / 13.8.
15. Energy consumption at 150° C should be W: 430 or better.
16. Instrument should have programmable controller for temperature ramps and dwells.
17. Instrument should have facility to save up to 10 programs or more.
18. Instrument should have electronically controlled fan speed and damper position facility.
19. Instrument should have facility that programs can be repeated automatically.
20. Instrument should have access ports to allow the introduction of sensors for independent data monitoring.
21. Instrument should have simple calibration routine, to ensures temperature accuracy over time.
22. Instrument should have function that enables rapid heating.
23. The system should comply with European CE or US FDA or BIS approved.
24. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
25. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
26. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

**Sch. No. 22****MICROSCOPE WITH PROJECTION FACILITY**

1. Optical system: Infinity corrected system
2. Focus: Vertical stage movement 25mm or more per coarse Stroke, Vertical stage movement 1micron or less per Fine stroke.
3. Illuminator: Lamp House for LED with connecting cable having life Span of 20,000 hrs approx
4. Revolving nosepiece: Reversed Sextuple revolving nosepiece.
5. Objectives: Plan Achromat 2X,4X,10X, 20X,40X,100X
6. Observation tube: Wide field Trinocular Eyepiece Tube with 10X eyepieces of 25mm F.O.V.
7. Stage: Ceramic coated surface mechanical stage with right/left hand
8. Low drive control with left hand for two specimens
9. Condenser: Swing out condenser usable for 2X-100X
10. Camera & Software: Digital Cooled CCD Camera approx 5 MP pixel size 4.65 mm x 4.65 mm, with 12 bit digitization, Fire wire port. Software to capture and image processing.
12. Computer system: i5 processor,4GB RAM 500 GB HDD, DVR R /W, TFT 21”.
13. The system should be upgradeable to Fluorescence attachment with multicolour more than 6 filters positions on aturret at a time.
15. The equipment should be USA- FDA/European- CE/ BIS approved
16. The Microscope and camera should be from same manufacturer
17. The microscope should be provided with digital 40” HD LED projection panel.
18. Face to Face second observer attachment with binocular head and eyepiece 10x/ 20mm with LED Pointer, the head should be 360 rotatable.
19. There should be provision for simultaneous viewing at projector as well as microscope.
20. There should be provision for split screen display for simultaneous viewing of acquired as well as image.
21. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.

**Sch. No. 23****MICROSCOPE FOR STUDENTS**

1. Infinity corrected imported microscope frame for transmitted microscopy with LED illuminator for longer life.
2. 30° inclined binocular eye piece tube 360° rotatable.
3. Eye piece 10x (FN20) with eye guard, antifungus treated, pointer should be included.
4. Antifungus objectives with following magnification:
  - Plan acromat objective 4x
  - Plan acromat objective 10x
  - Plan acromat objective 40x
  - Plan acromat objective 100x oil
5. Quadruple revolving nose piece with rubber grip
6. Mechanical rackless stage with slide holder for user safety.
7. Stage stopper for safety of slides and objectives.
8. Condenser – Abbe condenser NA 1.25 with positions for respective objectives.
9. Illumination – LED Illumination to provide cool white light with a life time of over 20years of average use.
10. Focusing – with coarse and fine focusing tension free.
11. Should have possibility to upgrade with Digital Imaging system.
12. Dust cover should be provided.
13. Immersion oil minimum 8cc should be provided.
14. AC adapter should be provided.
15. The equipment should be USA- FDA/European- CE/ BIS approved
16. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.

**Sch. No. 2****DEEP FREEZER (-80 DEG.)**

1. The freezer should be constructed using 1” thick vacuum panel insulation in conjunction with environment-friendly water blown foam.
2. Freezer door gasket should provide 7 independent insulation zones along with 4 points of contact to ensure sample security.
3. Freezer should have 4 or more internal storage compartments with a minimum of 4 polystyrene insulated inner doors to ensure sample security.
4. Freezer should have an automatic heated pressure equalization port, which allows for rapid re-entry to cabinet.
5. Freezer should have a RS485 output, dry contacts and 4-20mA output for remote monitoring purposes.
6. Freezer capacity should be 525 liters or more.
7. Freezer pull down time (to -80°C) should be less  $\leq$  6 Hours.
8. Freezer should have 1-min door opening recovery to -75°C (min) in 20 mins or less.
9. Freezer should have energy consumption at high performance  $\leq$  14 kW-hr/day.
10. Freezer should have average temperature uniformity at -80°C – 6 °C or less.
11. Freezer should have average temperature stability at -80°C – 3.5 °C or less.
12. Freezer should allow for set-point security control that blocks specific users from changing freezer set point or alarms through the use of a user name and password control. Unit should allow for up to 100 users or more.
13. Freezer should have an on-board data logger that allows for a minimum of 4GB of data storage.
14. Data should be available from the display for a minimum of 7 days. Data should also be downloadable via a USB port. Power management system should show incoming line voltage, indicate low or high line voltage, and provide voltage correction of up to +/- 10% of rating. Line voltage should be logged for a period of up to 12 years or more and be downloadable via a USB port.
15. Freezer shall have adjustable power recovery time delay that allows user to set a time delay between 1 second and 20 minutes after power failure.
16. Freezer should have a graphical display of temperature in the form of a graph that is adjustable for a period of 2, 4 or 6 hours.
17. Freezer should have a screen auto-off selection that allows the screen to darken between the hours of 9pm and 6am.
18. Freezer should display temperature of evaporator inlet, evaporator outlet, heat exchanger, first stage suction, second stage suction, second stage sump, liquid line and condenser air inlet. This display should be in a graphical view to allow for diagnostic troubleshooting.
19. Freezer should use only natural, commercially available refrigerants (hydrocarbon) with no special blends.
20. Freezer should be built to and contain the registration mark for UL, cUL, and CE standards for safety and performance
21. Freezer should be supplied with a 10 KVA Online UPS with 120 mins back up.

22. Freezer should be quoted with suitable racks and boxes.
23. Should have European CE or US FDA certification or BIS approved.
24. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
25. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
26. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

**Sch. No. 25****WATER BATH**

1. Should be rugged, high performance water bath, should maintain water temperature from ambient to 100°C.
2. Should have over-temperature safety circuitry designed to prevent thermal runaway, while auto-on and auto-off timers allow to optimize operation schedules.
3. Should be chemical and corrosion resistant, with epoxy powder-coated exterior, and easy cleaning of the chamber with seamless stainless-steel interior.
4. Should have smaller footprint for bench top use.
5. Should have advanced microprocessor controller designed for extended functionality.
6. Should protect work with audible alarms.
7. Should conveniently save commonly used settings with four temperature presets.
8. Bath should come with clear polycarbonate gable cover, diffuser tray, drain hose and rubber duck.
9. Chamber capacity should be approx. 20 Liter.
10. Temperature range should be ambient to 100°C.
11. Should be a precision water bath with temperature stability/ uniformity @ 70°C:  $\pm 0.1^{\circ}\text{C}$  /  $\pm 0.2^{\circ}\text{C}$ .
12. Work area measurement should be around (L x W x H): 11.7 x 19.7 x 5.9 in. (297 x 500 x 150 mm).
13. Should be able to work on global voltage: 100-115V/200-230V, 50/60Hz.
14. Heater output should be approx. 1200W.
15. Should be offered with stainless steel test tube rack & concentric ring cover.
16. Should be UL Listed.
17. Should have European CE or US FDA certification or BIS approved.
18. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
19. Should be provided with 3 KVA servo stabilizer for high and low voltage protection.
20. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
21. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

**Sch. No. 26****WEIGHING BALANCE**

1. The unit should be semi microbalance with motorized auto calibration & adjustment.
2. The unit should have built-in plug & play for direct data transferring system to Microsoft Windows programs (GLP/GMP compliance).
3. The unit should have self-explanatory icons and plain-text prompts on the large touch screen to show all the information (touch screen display).
4. The unit should have manually operated ergonomic draft shield.
5. The unit should comply with approximately following technical requirements:

Readability	: 0.01 mg.
Weighing Capacity:	40 to 120 gm.
Repeatability	: 0.02 mg.
Linearity	: 0.1 mg.
Weighing Pan	: 80 mm dia.
Response Time	: 2 (s).

6. Should have European CE or US FDA certification or BIS approved.
7. The calibration of the instrument should be performed at the time of installation and certificates should be provided.
8. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
9. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.



**Sch. No. 27****WATER PURIFICATION SYSTEM WITH ULTRAPURE NUCLEASE FREE WATER**

1. The Complete Ultrapure Water system must give ASTM Type II pure and Type I ultrapure water from a single system.
2. Pre Filter should be customized based on feed water quality test report. It should be from the same manufacturer. Should provide product water that qualifies feed water requirement of the system
3. System should consist of dual pass, 2 individual RO Membrane in parallel operation (i.e. not in series).
4. Automatic Back Flush for the Dual RO Membrane should be only from RO permeate water.
5. RO Membrane should not get rejected water from another RO Membrane. It should work on a parallel series.
6. Should continuously regenerate ion exchange resins to remove ion.
7. Softner should be present before EDI.
8. Innovative software must be present in the system to optimized water consumption economically.
9. Serial Interface RS-232 & PLC interface for external communication must be present in the system.
10. System should have an integrated TOC monitor.
11. System should be able to provide 10lit/hr of Type II water and 120lit/hr of Type I water.
12. System should have unique flexible glass touch display with intuitive menu navigation.
13. Carbon-resin technology to produce ultrapure water with Resistivity up to 18.2 Mohm x cm should be available.
14. System should have Top Down Flow technology inside the cartridge.
15. System should have an integrated horizontal UV oxidation chamber with dual wavelength 185 and 254nm capable of reducing TOC levels < 2ppb.
16. Should have facility of wall mounting when needed.
17. Should have touch screen function and self-diagnostic facility.
18. Final Filter should be 0.45+ 0.2µm pleated double-layered, sterile grade PESU membrane and should be validated according to HIMA & ASTM F-838-83 guidelines.
19. System should be designed, developed and produced under DIN/ISO 9001 certificate quality management system by an ISO-9001 certified company.
20. Detailed data documentation with SD Card, PC or Printer should be available.
21. System should have facility to dispense water through manual, time, volume controlled dispenser.
22. Should provide ergonomic water dispensing gun with 3.5 m or more, working radius.
23. Water dispensing flow rate should be adjustable between 0.1- 2lit. /min.
24. PIN protection for settings and service functions should be available.
25. Display should show measured values for feed water, product water, temperature, total dispensed water, count down for next recommended consumable replacement, user-friendly alert management with follow up function etc.
26. EDI water storage tank with following features should be available:
  - a. Storage of 50 liters with integrated distribution pump.
  - b. Storage tank must have an integrated vent filter with check-valve.
  - c. There should be no-time consuming sanitization process and no use of chemicals involved.
  - d. Maximum water dispensing flow rate with pump from the tank should be 3.0 lit/hour.
27. Should have European CE or US FDA certification or BIS approved.
28. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
29. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
30. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.
31. Five (5) years warranty and Five (5) years CMC should be provided.
32. Product water quality should satisfy the following criteria:

<b>Product Water Quality</b>		
Technical Specifications	Type II	Type I
Output upto	10lit/hr	120lit/hr
Water dispensing flow rate	$\leq 3$ lit/min	$\leq 2$ lit/min
Volume controlled output		2lit/min in 100ml
Resistivity	$>5$ Mohm.cm compensated to 25°C	18.2Mohm.cm compensated to 25°C
TOC	$<50$ ppb	$<2$ ppb
Microorganism content	$<1$ cfu/1000ml	$<1$ cfu/1000ml
Particle content	$<1$ /ml	$<1$ /ml
Retention of dissolved organic substances, particle, microorganism	$>99\%$	
Typical ion retention	$>98\%$	
Endotoxins, ,	---	0.001 EU/ml
Bacteria	---	$< 1$ cfu/100ml
RNase	---	$2.9 \times 10^{-10}$ KunitzU/ $\mu$ l
DNase	---	$< 1.0 \times 10^{-5}$ U/ $\mu$ l

**Sch. No. 28****ELISA READER WITH WASHER****1 ELISA Reader**

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

**2 Washer**

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

**Sch. No. 29****CLASS II, TYPE A2 BIOLOGICAL SAFETY CABINET**

The system should be microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.

Motor must automatically adjust the air flow speed to ensure continuous safe working condition. Air flow shall be as per requirements of Bio-safety regulations in respect of at least BSC II A level cabinet

The cabinet noise level must be less than 65 decibel

Dimensions (Cabinet Size): 4 to 6 feet. The interior of the cabinet shall be of stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users.

Efficiency of HEPA filter should be almost 99%

In order to ensure consistent and reliable down flow velocity across the supply HEPA filter over the life of the cabinet, the cabinet must use a pressure sensor (rather than anemometer) to detect pressure drop across the supply filter, rather than in just one point across the down flow. The pressure sensor must be encased in order to protect the sensor from temperature, humidity and other environmental phenomena that can impact the sensor's performance.

Fluorescent lamps for lighting of the interior of the cabinet. Front of the cabinet preferably be angled to help minimize glare.

A provision for UV light to disinfect the interior of the cabinet. UV light must be programmable to allow for specific exposure time from 0 to 24 hrs. Automatic UV switch OFF on opening of front window. The front window should be made of laminated safety glass to protect against leakage of UV rays and to ensure containment of potential hazardous material.

Safety alarm / safety display for :

Low air velocity

Faulty exhaust fan etc.

Power input to be 220-240 V AC, 50 Hz fitted with Indian plug.

Should meet NSF standards. Should be US FDA or European CE approved.

Movable stands

Warranty should cover UPS and batteries.

Calibration certificate shall be provided at the time of installation in respect of all the parameters that require calibration.

Audio visual indicator to understand HEPA filter loading to be provided.

Drain pan should be made of stainless steel.

**Sch. No. 30****HIGH SPEED AUTOCLAVE**

1. The Vertical Autoclave should have Chamber Capacity of: Effective volume 113 litres or more.
2. The chamber of Vertical Autoclave should be manufactured as per ASME standards and comply with Pressure Equipment Directive.
3. The Vertical Autoclave should work on the domestic power supply of : 230 V AC, 50 HZ, Single phase.
4. The Vertical Autoclave's internal chamber, cover lid and all wetted parts should be fabricated from stainless steel of 304 grade.
5. The Vertical Autoclave outer body should be of SS 304.
6. Temperature range should be up to 135°C and pressure up to 30 psi.
7. The Vertical Autoclave's all joints should be smooth finished for crevice free internals.
8. The chamber should be hydro statically tested at 1.5 times of its working pressure and certificate should be supplied for the same.
9. The lid should be equipped with single lever lock mechanism and lever handle moulded from industrial plastic.
10. The lid should be provided with auto purge cum vacuum breaker valve and a manually operable valve for exhaust.
11. The unit should have a solenoid valve for auto purging of air & normal exhaust.
12. The Vertical Autoclave should have stainless steel pressure gauge with dual range dial display in KPA and PSI along with a co-related temperature scale for steam in degrees Celsius.
13. The operations of the unit should be controlled by touch screen programmable logic controller with 4 temperature channels & 1 pressure channel inbuilt.
14. The Autoclave should be equipped with Touch screen HMI PLC.
15. Controlling of chamber temperature should be on all 4 temperature channels.
16. To Ensure proper sterilization cycle autoclave should have facility of connecting external printer which can give instant print of all cycle data – customer and operator name , equipment number, recipe, hold time, batch number, date & time, temperature set-point, readings of at least four temperature sensors, pressure channels F0 summation and cycle status.
17. Inbuilt 6 recipes for different load should be available.
18. Provision of automatic water filling should be available.
19. The timer should be retentive & settable up to 95 mins.
20. Power fail restoration facility: in case of power failure, the Autoclave should give option of resuming cycle with automatic adjustment of sterilization hold time.
21. The unit should have safety valve to protect the equipment in case of over pressurization.
22. The Lid should be equipped with pressure interlock device to avoid opening under pressure.

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23. Lid should be equipped with door switch to avoid cycle start if door is not locked properly.
  24. To ensure effective sterilization, if temperature falls below temperature set point the sterilization timer should get automatically adjusted.
  25. The unit should be provided with independent safety cut-out for high temperature.
  26. The unit should give indication by audio-visual alarm on completion of set autoclave cycle.
  27. The electrical safety should be ensured by inbuilt MCB.
  28. The unit should be mounted on 04 Nos. PU coated castors out of which atleast 2 should have locking mechanism
  29. The Vertical Autoclave should be PED certified and the same should be provided.
  30. Manufacturer shall be ISO 13485 certified & should submit photocopy for the same.
  31. Local service setup should be available for prompt and efficient post-sales support.
  32. Autoclave should have service & calibration reminder facility.
    - 1) Autoclave should have the provision of password protection so that unauthorized people cannot access the equipment or cannot change the critical set parameters.
  33. Calibration reports should be provided with NABL traceability.
  34. Autoclave should have option for (to be quoted separately)
    - 1) Air Ballast
    - 2) Positive Pulsing
    - 3) Drain Cooling.
  35. Should have European CE or US FDA certification or BIS approved.
  36. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
  37. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
  38. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

**Sch. No. 31****AUTOMATED COVERSLIPPER**

1. Should produce slides with superior optical quality for reliable long-term storage.
2. Should be capable of cover slipping more than 350-450 slides per hour.
3. Should be able to handle slide racks of various manufacturers and should be adaptable to individual laboratory requirements
4. Should be Compact bench top unit & should work with high-quality standard coverslips in various sizes from 22-24 mm x 40-60 mm
5. Should have sensor for broken coverslips to be detected by sensor.
6. Should be used with common range of mounting media including mounting with wet mountants or film cover slippers.
7. Should be equally useful for histopathology and cytopathology slides.
8. Should have Suction cup filter system for automatic cover slipping.
9. Should be equally useful for histopathology and cytopathology slides
10. Should have permanent self monitoring function with acoustic and optical instrument status indications like e.g. 'Add coverslips', 'Coverslipping completed'.
11. Should be highly reliable, cause minimum wastage and form a fully automated walk-away system.
12. Should have an inbuilt system for fume extraction so as to minimize exposure of lab personnel
13. Should be capable of being integrated with automated stainers of same manufacturer.
14. Appropriate work bench/ stand should be provided with the instrument.
15. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
16. UPS backup for the duration of one cycle of processing to be provided.

**Sch. No. 32****AUTOMATED SLIDE STAINER**

1. High throughput robotic stainer for multiple staining applications and should run in continuous operation.
2. Simultaneous staining of various different staining protocols including Haematoxylin-eosin and PAP stain should be available.
3. Solvent resistant touch/ keypad screen to monitor the staining process by using graphical process representation.
4. The equipment should have at least 26 reagent stations and 3 - 4 wash stations of 300 - 600ml capacity.
5. The equipment should be programmable for 15-20 programs of up to 25 steps each with incubation time setting from 0 sec to 99 minutes 59 seconds.
6. Integrated ovens, minimum of one with temperature setting from 30°C to 65°C for optimal slide drying is required.
7. Continuous loading and unloading of slides via rack entry and exit door should be available.
8. Should have Suction cup filter system for automatic cover slipping.
9. Specimen slide throughput of at least 200 slides per hour upto 600 slides per hour is required.
10. Agitation programmable from 0 to 20 times or continuous should be available.
11. Programmable up and down movement of robotic arm should be available.
12. Fume extraction fan with charcoal filter to remove hazardous fumes should be available.
13. Gentle vibration to slide rack during lifting to reduce carry over contamination should be available.
14. Audible warning buzzer in case of any error during operation should be a feature of the equipment.
15. Should be capable of being integrated with automated coverslipers of same manufacturer.
16. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
17. Appropriate work bench/ stand should be provided with the instrument.
18. UPS backup for the duration of one cycle of processing to be provided.
19. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.



**Sch. No. 33****REAL TIME QUANTITATIVE PCR SYSTEM**

1. The system should be capable of performing both real time PCR and end point analysis.
2. The system should be peltier-based system.
3. There should be 96-well block instrument (both for Fast and standard Emulation Mode).
4. Should have Reaction volume of 10-100  $\mu\text{L}$  and should use Universal thermal cycling conditions.
5. Should have Excitation range between 450nm - 680nm and Emission range between 500-730nm
6. Should have Standard transparent 96-well plates or individual transparent PCR tubes or 8 strip tubes compatibility.
7. The System should be combined with 6 decoupled excitation and emission filter sets to enable collection of up to 21 unique combinations of wavelengths during a single run for multiplexing on the 96-well block instrument.
8. The excitation should be done by White LED light source & should come with a >05 years lifespan and detection should be done by CMOS / CCD.
9. The system should have block ramp rate (at peak) of  $\geq 5^\circ \text{C}$ .
10. The system should have temperature range of  $4^\circ\text{C}$ - $99^\circ\text{C}$ .
11. Should have Dynamic range up to 10 orders of Magnitude.
12. Should have six independent Peltier Block to provide six independent temperature zones to run six different assays with varying annealing temperature at the same time. Each block having the ability to set up PCR with specific temperature differential of up to 5 degree centigrade between blocks and 25 Deg. from one end to another.
13. The system should be factory calibrated for handling dyes such as SYBR Green, FAM, VIC, JOE, NED, TAMRA, ROX, Texas Red, Cy3, Cy5.
14. Calibration for new dyes within the wavelength range should be possible by following the custom dye calibration procedure in the User's Manual without purchase of additional filter sets.
15. The system should be capable of performing relative and absolute quantitation, melting curve analysis (at high resolution), multiplex-PCR, SNP analysis, dissociation curve analysis, pathogen detection and plus/minus assays etc.
16. The system should be able to collect data for all 5 filters for all wells regardless of plate setup. Plate setup may be altered after run completes.
17. Details of data acquisition during run for all dyes should be provided and ensured. Temperature accuracy should be maximum ( $\pm 0.5^\circ\text{C}$  of set point/display temperature, measured at 3 minutes after clock start).
18. The system should have run time of less than 30 minutes in fast Mode and less than 2 hours in standard & emulation mode for 40 cycles.
19. The instrument should include a heated lid assembly that heats the top half of the sample plates and provides an effective seal to minimize reaction mixture evaporation.
20. System should collect data for all filters, for all wells regardless of plate setup.
21. It should be possible to alter the plate setup after the completion of run.

22. The software should be inclusive of Multi-componenting algorithm designed to provide precise deconvolution of multiple dye signals in each well to ensure minimal crosstalk when using multiple fluorophores for multiplex assays.
23. The system should be supplied with dedicated licensed full version software for primer and probe design with comprehensive assay design and development guidelines for quantitative and qualitative real-time assays to enable designing of custom oligo assays.
24. Electrical specification: 220 volts, 50Hz. single phase A.C.
25. Service Training to MEC Engineer and Operational training to user department should be provided.
26. System should be an open platform enabling use of various chemistries without hardware change.
27. Should provide yearly calibration certificate including temperature calibration verification test, temperature non-uniformity test and performance diagnostic test within warranty as well as in CMC.
28. System should be CE-IVD or FDA or BIS approved product
29. Branded Online UPS of 3KVA for one hour backup for the duration of one cycle of processing to be provided.
30. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
31. All-in-one system should be supplied with branded computer system with window 10 or more to support application and camera Interface, 2 GHz multi core i7 processor, 2TB hard drive, 16 GB RAM, DVD+RW, USB 3.0 and HDMI port, 24" TFT/ LED Monitor (1920 x 1200), wireless keyboards, mouse, and appropriate barcode reader along with multifunctional color laser duplex printing printer with consumables (2 cartridges) with 2000 sheets of A4 size paper should be provided.
32. System should have option like Stand-alone, PC connected, or direct connection to Cloud via LAN or Wi Fi.
33. Start-up kit for at least 100 tests should be provided free of cost for HPV testing.
34. Should be supplied with a set of 'variable volume pipettes' of standard make with following features:
  - a. Should have volume gearing mechanism for accuracy and precision.
  - b. Should be fully autoclavable for protection.
  - c. Should have soft-touch tip ejector for light tip ejection.
  - d. Should have large display for better vision ergonomics.
  - e. Should have very light pipetting forces.
  - f. Four Pipettes from 0.2 to 1000 $\mu$ L should be provided as follows in set:
    - a. 0.2-2 $\mu$ L
    - b. 2-20 $\mu$ L
    - c. 20-200 $\mu$ L
    - d. 100-1000 $\mu$ L
  - g. Should be supplied with following type of microtips (in mentioned quantity) along with microtip box should also be provided:
    1. Size: 10, 12 x 96; Qty.: 500
    2. Size: 2 x 96; Qty.: 500
    3. Size: 1 x 96; Qty.:500
  - h. Stand should be provided with pipette set of above four types.
  - i. Good Laboratory Pipetting Guide should be provided.
  - j. Reagent reservoir demo pack should be provided.
35. Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.

36. Document or order copy supporting satisfactory performance from AIIMS/ institute of national importance (minimum one) should be provided.
37. Support for induction and follow up training of technical staff, on –site standardization trouble shooting of procedures/tests to be provided by the company.

**Sch. No. 34****GEL DOCUMENTATION SYSTEM**

1. System should be capable for Chemiluminescent and Fluorescent Western blot imaging, DNA, RNA gel and colorimetric and fluorescent protein gel imaging.
2. System should utilizes Smart Exposure algorithm that determines optimal exposure times while eliminating saturation. System should also have facility to displays a preview simulated image that responded to time adjustments to help determine further refine conditions before exposure if desired.
3. System should automatically detects the sample and size and automatically moves the camera towards or away from sample to “zoom” into the correct position to maximize the utilization of the field of view.
4. System should have the facility that the sample should automatically mechanically rotated to help ensure square images that do not require digital rotation.
5. System should have light path that maximizes sample viewing area in a small instrument design. System should provide a field of view 21 x 16 cm, enough for 4 mini gels.
6. System should have 8 MP CCD Camera or more, Chip dimensions 16mm diagonal. 3.69x2.69um pixel size. Images generated in a 16 bit format that allows 65,000 gray scales or more and dynamic range of > 4.5 OD.
7. System should have CCD Chip dimensions of 16mm or more Diagonal. 12.5x10mm Chip utilizes Micro lens surface technology to maximize light capture.
8. The CCD chip should provide a 75% peak quantum efficiency QE @525nm and broad-spectrum detection for increased sensitivity across applications.
9. 1x1, 2x2, 3x3, 4x4, 5x5, 6x6 and 8x8 binning options should be available for increased sensitivity and flexibility across applications.
10. All internal components should be chemical resistance and the internal light tight chamber should be black power coated material to minimize auto fluorescent and reflections.
11. System imagers should be cooled to approximately -30C below ambient temperature to minimize the time required before operation caused by higher levels of cooling.
12. Additional cooling should not be utilized due to the low noise levels of the camera (< 0.005 e-/pixel/sec a -10°C).
13. System should come with a 25mm F/0.95 aperture lens that allows fast light capture and a large field of view.
14. System should not utilize UV lighting so as to minimize health and environmental hazards.
15. DNA and protein gels should be visualized using a bright green LED array with an exciting range of 480-530nm.
16. System should have technology which allows 4-plex imaging and combination of RGB and near-IR imaging on the same blot.
17. Gel documentation system should contain an epi white and epi IR light source and a 7-position motorized filter wheel in which the following excitation: Filter options allows for dye flexibility of different fluorescent stains.
  - a. EX1 455–485
  - b. EX2 515–545
  - c. EX3 610–635
  - d. EX4 655–680
  - e. EX5 745–765
18. The system should be upgradable and there should be flexibility to add filters.
19. System should have built-in computer and touch screen interface. In addition, external software should be freely available on cloud that can be accessed and utilized from any computer with network access.
20. At least 3 USB and 1 network port should be in the system and the system should get directly connected to the printer.
21. System should have Image output can be in several formats- TIFF, JPG, PNG, and PDF and should also have facility to generate raw data which cannot be manipulated and can be used for authentication.
22. System should be cloud connected analysis software for molecular weight calculation, relative and absolute quantitation, and normalization. Your personal data can be accessed and analyzed from any computer and any location.
23. Software should be regularly upgraded. Cloud software updates should occur automatically.

24. System imagers support multiframe detection where an individual image can be divided into independent regions. This allows automated analysis of multiple samples in one image.
25. Should have European CE & US FDA certification or BIS approved.
26. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
27. To be supplied with branded all-in-one computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21” or better LED Monitor, Genuine Windows 10 or more, A4 size multifunctional colour laser duplex printer and appropriate bar code reader.
28. UPS backup adequate for the duration of 3 KVA with 60 minutes back up should be provided.
29. Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.
30. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
31. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 35****THERMAL CYCLER**

1. The system should be Peltier based PCR system for high throughput amplification.
2. The system should have Gradient block with sample capacity 3x 32 × 0.2 ml PCR tubes.
3. The system should allow user to set temperatures in gradient mode.
4. The system should have Temperature range 4 - 99 °C with temperature accuracy of + 0.2 °C to + 0.3 °C
5. The system should have a ramp rate at least 6 °C /s and 4 °C /s or more for cooling & heating respectively,
6. The system should have adjustable ramp rate to meet critical amplification conditions.
7. Sample ramp rate should be at least 4 °C.
8. The heated lid should accommodate both flat & dome capped tubes
9. Instrument should be usable by three different users simultaneously or exclusive of each other with 2 temperatures selectivity for individual user.
10. The block should be interchangeable to set more than 96 samples.
11. User should be able to set different temperatures in lanes in gradient mode.
12. The system should have a gradient range of 30-99 °C and range of gradient span should be 10°C –24 °C.
13. The system should have pre-programmed template for easy selection from different temperature protocols viz. 2 step, PCR, 3 Step PCR, Gradient PCR, Long Range PCR, Low volume PCR, RT, RT-PCR, Incubation, Cycle sequencing, Touchdown PCR, Hot Start PCR, Hot Start PCR manual, Large volume PCR, Nested cycles, reduced ramping etc.
14. Should have “Touch Screen” or high resolution LCD display for programs.
15. Intuitive graphical interface for rapid input of protocols and easy file management
16. Capacity to store minimum 500 to more programs, different login levels (i.e. administrator, guest and user)
17. Should have two or more USB ports to attach mouse and/or memory stick and to transfer programs from machine.
18. System should have interchangeable block option.
19. System should have Cloud connectivity.
20. Should have European CE & US FDA certification or BIS approved.
21. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
22. Start-up DNA extraction kit for at least 200 FFPE samples should be provided free of cost.
23. UPS backup adequate for the duration of 2 KVA with 60 minutes back up should be provided.
24. Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.
25. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
26. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.

**Sch. No. 36****REFRIGERATED TABLE TOP CENTRIFUGE**

1. The centrifuge should have max capacity of 4x145ml or better.
2. The centrifuge should have max speed of 14,000 RPM or better.
3. The centrifuge should have max RCF: 29,000 x g or better
4. The centrifuge should be supplied with swinging bucket, fixed angle and microplate rotors.
5. The system should be Microprocessor controlled and should have direct, brushless induction drive.
6. Should have temperature range of -10°C to 40°C.
7. Should have time range 99Hours, 59 minutes plus continuous operation.
8. Rotor should have auto locking system. Rotor shall be installed and removed with no tools in less than 5 seconds.
9. The centrifuge should be supplied with fixed angle 45° rotor, with capacity - 48 x 1.5/2 (places x volume, mL); Max Speed (rpm) - 12,500. Max RCF (x g) – 17700 x g.
10. The centrifuge should be supplied with fixed angle rotor 8 x 50 ml tubes, 5500 rpm, 4900 x g, angle of the rotor 25°, with adapter for 15 ml conical tubes.
11. The centrifuge should be supplied with swinging bucket rotor, 90°, Max Speed (rpm) - 4,000 / Max RCF (x g) - 2,500. Centrifuge 4 standard microplates or 2 midi-deep well plates, ideally suited for quick spins.
12. The buckets and rotor sealing lids should be certified for bio-containment by a 3<sup>rd</sup> party lab of worldwide recognition.
13. Bucket lids should be operated in a safe manner without spring clips or metal components.
14. Should have European CE or US FDA certification or BIS approved.
15. Should be supplied 10 KVA servo stabilizer with high and low voltage protection.
16. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
17. Document supporting track record and satisfactory performance from institutes of national importance (minimum three) should be provided.
18. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

**Sch. No. 37****HORIZONTAL GEL ELECTROPHORESIS SYSTEM**

1. System should have at least two comb slots on the U.V. Transmissible (UVT) gel tray.
2. UVT gel trays should be silk screened with a florescent ruler for easy measurement of bands.
3. System should be supplied with two combs, 12 & 20 well, double-sided, 1.0/1.5 mm thick.
4. System should have flexibility to run 8 to 48 samples on 1 gel.
5. There should be power-off memory which retains settings after shut-down.
6. There should be soft-touch keypad allowing quick set-up.
7. Should have non-skid rubber feet to provide stability.
8. There should be a display for voltage or current.
9. Timer should range from 0 to 999 minutes.
10. Should be supplied with compatible power supply and necessary accessories, 5000V, 1000V max one each.
11. Should have European CE or US FDA certification or BIS approved.
12. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
13. A 5 KVA servo stabilizer with high and low voltage protection should be provided.
14. Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.
15. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
16. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.



**Sch. No. 38****VERTICAL ELECTROPHORESIS SYSTEM**

1. The system should runs two 10 x 10cm gels or one gel when used with blocking plate; accommodates 8 x 10cm gels utilizing the provided adapter
2. The system should allow gels to easily be placed into the device
3. The system should have wedge placed in front of the cassettes, to provide even pressure against the leak-proof gasket, places the cassettes in proper running position.
4. The system should have two sizes of wedges accommodate varying thickness of precast gels.
5. The system should be flexible; use precast polyacrylamide gels or hand cast gels.
6. The system should not require cooling.
7. The system should have measurements for chambers as follows:
  - a. Double Sided Vertical System, 8-10 x 10cm gel system, 150mL to 300mL buffer volume.
  - b. Length (Metric) Gel; 8 to 10cm
  - c. Width (Metric) Gel; 10cm
  - d. Volume (Metric) Lower Buffer Chamber Max; 300ml
  - e. Volume (Metric) Lower Buffer Chamber Min; 150ml
  - f. Volume (Metric) Upper Buffer Chamber; 150ml
8. The system should have facility of power-off memory retains settings after shut-down.
9. The system should comply with following power supply ranges; Voltage 230V, max. Voltage 300V, max. Current 400 mA, Hertz 50/60 Hz, 03 sets of input jacks, display voltage or current & timer 0 to 999min.
10. The system should have soft-touch keypad to allow quick set-up.
11. The system should have non-skid rubber feet provide stability.
12. Should have European CE or US FDA certification or BIS approved.
13. The calibration, IQ, OQ and PQ of the instrument should be performed at the time of installation and certificates should be provided.
14. Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.
15. Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests should be provided by the company.

## GENERAL TECHNICAL SPECIFICATIONS

### GENERAL POINTS:

#### 1. Warranty:

- a) Five years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) Warranty period will be 5 years from the date of installation, commissioning and Site Modification Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
- b) 95% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) All software updates should be provided free of cost during Warranty period.**

#### 2. After Sales Service:

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

#### 3. Training:

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

#### 4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Site Modification Work:

- a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Site Modification Work (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of CMC will be added for Ranking/Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
- d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5% of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
- e) There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- g) All software updates should be provided free of cost during CMC.

- h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- i) The payment of CMC will be made as stipulated in GCC Clause 21.

### 5. Site Modification Work:

Site Modification Work is indicated in the technical specification of the respective items, wherever required. The Tenderer shall examine the existing site where the equipment is to be installed, in consultation with HOD of Hospital/Institution/Medical College concerned. Site Modification Work details of each Hospital/Institution/Medical College are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Site Modification Work of each Hospital/Institution/Medical College. The Site Modification Work costs to 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 Site Modification Work should completely comply with AERB requirement, if any.

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

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

**Note 3:** Adequate training of personnel and non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

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

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

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**Section – VIII**

**Quality Control Requirements**

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

- 01 Name of the manufacturer
  - a. full postal address
  - b. full address of the premises
  - c. telegraphic address
  - d. telex number
  - e. telephone number
  - f. fax number
  
- 02 Plant and machinery details
- 03 Manufacturing process details
- 04 Monthly (single shift) production capacity of goods quoted for
  - a. normal
  - b. maximum
  
- 05 Total annual turn-over (value in Rupees)
- 06 Quality control arrangement details
  - a. for incoming materials and bought-out components
  - b. for process control
  - c. for final product evaluation
- 07 Test certificate held
  - a. . type test
  - b. . BIS/ISO certification
  - c. . any other
- 08 Details of staff
  - a. technical
  - b. skilled
  - c. unskilled

**Signature and seal of the Tenderer**

## Section – IX

### Qualification Criteria

1. The tenderer must be a **manufacturer**. In case the manufacturer does not quote directly, they may authorize an agent as per Proforma of **Manufacturer authorization form** as given in the tender enquiry document to quote and enter into a contractual obligation.
- 2(a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, **at least 20% of the tendered quantity** (rounded off to next whole number) of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily (For equipment which are consumable in nature, as identified in the list of requirement, proof of delivery/acceptance by consignee/purchaser shall also be considered acceptable)
- 2(b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2(a) should have executed **at least one contract in the last five years** from the date of tender opening of similar equipment, which is functioning satisfactorily, anywhere in India.
3. The bidders/ firms identifying as MSME and or start-up firms are exempted from fulfilling criteria at S. No. 2 (a) and 2(b) stated above. However, this does not exempt any bidder/ firm/ manufacturer from fulfilling the quality requirements.

*Note: “If the bidder is a MSME, it shall declare in the bid document the UdyogAadhar Memorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do not furnish the UAM Number along with bid documents, such MSME unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.”*

#### NOTE:

1. The tenderer shall give an affidavit as under:
 

**“We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.”**
2. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma ‘A’.
 

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

**PROFORMA 'A'**  
**PROFORMA FOR PERFORMANCE STATEMENT**

(For the period of last five years)

Tender Reference No. : \_\_\_\_\_

Date of opening : \_\_\_\_\_

Time : \_\_\_\_\_

Name and address of the Tenderer : \_\_\_\_\_

Name and address of the manufacturer : \_\_\_\_\_

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

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

**Signature and seal of the Tenderer**

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

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

**Section – X**  
**TENDER FORM**

Date\_\_\_\_\_

To  
CEO  
HLL Infra Tech Services Limited  
Procurement and Consultancy Division  
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.

Ref. Your TE document No. \_\_\_\_\_ dated \_\_\_\_\_

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

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

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

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

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

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

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

**SECTION – XI**  
**PRICE SCHEDULE**

Price to be filled in the relevant field of Price Format in Excel provided in the e-tendering portal.



**SECTION – XII**  
**QUESTIONNAIRE**

**Fill up the Techno-Commercial Compliance Sheet Bid provided in spreadsheet (Excel file) and upload in the C-Folder**

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Techno-Commercial Compliance Sheet. 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 scanned 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, their tender is liable to be ignored.

Note: *The documents like Priced Proforma Invoice (Single Proforma Invoice from Manufacturer’s indicating uniform unit rates) and List of Consumables with prices can be uploaded in the Notes & Attachment under Rfx information (Please note, in the separate Notes & Attachment provided under Rfx information and not in the C-Folder Notes & Attachments).*

**SECTION – XIII**

**BANK GUARANTEE FORM FOR EMD**

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

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

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

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

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

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

.....  
Name and designation of the officer

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

**SECTION – XIV**

**MANUFACTURER’S AUTHORISATION FORM**

CEO  
HLL Infra Tech Services 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, designation and Email*]  
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.
- (3) The purchaser reserves the right to verify this document with its signatory.

**SECTION – XV**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY**

CEO  
HLL Infra Tech Services Limited  
Procurement and Consultancy Division  
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.

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

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

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

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

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

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

This guarantee shall be valid till such time to cover two months beyond the warranty period from the date of Notification of Award i.e. up to \_\_\_\_\_ (indicate date).

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

.....  
Name and designation of the officer

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

**SECTION – XVI****CONTRACT FORM - A****CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS**

(Address of the Purchaser/Consignee  
Office issuing the contract)

Contract No \_\_\_\_\_ dated \_\_\_\_\_

**This is in continuation to this office's Notification of Award No \_\_\_\_\_ dated \_\_\_\_\_**

1. Name & address of the Supplier: \_\_\_\_\_
2. Purchaser's TE document No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent Amendment No \_\_\_\_\_, dated \_\_\_\_\_ (if any), issued by the purchaser
3. Supplier's Tender No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent communication(s) No \_\_\_\_\_ dated \_\_\_\_\_ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:
  - (i) General Conditions of Contract;
  - (ii) Special Conditions of Contract;
  - (iii) List of Requirements;
  - (iv) Technical Specifications;
  - (v) Quality Control Requirements;
  - (vi) Tender Form furnished by the supplier;
  - (vii) Price Schedule(s) furnished by the supplier in its tender;
  - (viii) Manufacturers' Authorisation Form (if applicable for this tender);
  - (ix) Purchaser's Notification of Award

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

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
  - (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

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

6. Warranty clause

7. Payment terms

8. Paying authority

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

Received and accepted this contract  
(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)  
For and on behalf of \_\_\_\_\_  
(Name and address of the supplier)  
(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_

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

Annual CM Contract No. \_\_\_\_\_

dated \_\_\_\_\_

Between

(Address of Head of Hospital)

And

(Name &amp; 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

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

1	2	3	4					5
Schedule No.	Brief description of goods	Quantity. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			A	b	c	d	e	

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

- 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)
- The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, \_\_\_\_\_ & \_\_\_\_\_) and Site Modification Work (if any).
- There will be 95% 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.
- 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.
- All software updates should be provided free of cost during CMC.

7. 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.
8. 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.
9. **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
10. **Paying authority:** \_\_\_\_\_ (name of the consignee i.e. Hospital authorised official)

\_\_\_\_\_  
(Signature, name and address  
of Hospital authorised official)  
For and on behalf of \_\_\_\_\_

Received and accepted this contract.  
(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)  
For and on behalf of \_\_\_\_\_  
(Name and address of the supplier)  
(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_



**SECTION – XVII**

**CONSIGNEE RECEIPT CERTIFICATE**

(To be given by consignee's authorized representative)

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

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

**SECTION – XVIII**  
**Proforma of Final Acceptance Certificate by the Consignee**

No \_\_\_\_\_

Date \_\_\_\_\_

To

M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subject:** Certificate of commissioning of equipment /plant.

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to ‘Technical Specifications’.
- b) He has not supervised the commissioning of the equipment (s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment (s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

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

is

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

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

*(Signature)*

*(Name)*

*(Designation with stamp)*

**## Explanatory notes for filling up the certificate:**

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

**Section – XIX**

**Consignee List**

<b>Consignee Code</b>	<b>Medical Institutions</b>
	All over India

**APPENDIX – A**

No. P-45021/2/2017-B.E.-II  
Government of India  
Ministry of Commerce and Industry  
Department of Industrial Policy and Promotion  
\*\*\*\*

Dated 15<sup>th</sup> June, 2017  
Udyog Bhawan, New Delhi

To

All Central Ministries/Departments/CPSUs/All concerned

**ORDER**

**Subject: Public Procurement (Preference to Make in India), Order 2017**

**Whereas** it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

**Whereas** procurement by the Government is substantial in amount and can contribute towards this policy objective, and

**Whereas** local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

**Now therefore the following Order is issued :**

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.
2. **Definitions:** For the purposes of this Order:

*'Local content'* means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*'Local supplier'* means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries / Departments in pursuance of this order.

*'L1'* means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

*'margin of purchase preference'* means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

*'Nodal Ministry'* means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services.

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'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

3. **Requirement of Purchase Preference:** Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder:
- a. In procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs. 50 lakhs, the provisions of sub-paragraph b or c, as the case may be, shall apply.
  - b. In the procurements of goods which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed:
    - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
    - ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
  - c. In procurements of goods not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:
    - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.
    - ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
    - iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

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4. **Exemption of small purchases:** Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.
5. **Minimum local content:** The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.
6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20% .
7. **Requirement for specification in advance:** The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
8. **Government E-marketplace:** In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.
9. **Verification of local content:**
  - a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
  - b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
  - c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
  - d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.
  - e. Nodal Ministries and procuring entities may prescribe fees for such complaints.
  - f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
  - g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the

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duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9h below.

- h. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:
- i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
  - ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
  - iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

**10. Specifications in Tenders and other procurement solicitations:**

- a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
- b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
- c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.
- d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.
- e. For the purpose of sub-paragraph 10 d above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or (ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India."

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11. **Assessment of supply base by Nodal Ministries:** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.
12. **Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.
13. **Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.
14. **Powers to grant exemption and to reduce minimum local content:** Ministries /Departments of Government of India and the Boards of Directors of Government companies or autonomous bodies may, by written order,
  - a. reduce the minimum local content below the prescribed level;
  - b. reduce the margin of purchase preference below 20% ;
  - c. exempt any particular item or procuring or supplying entities or class or classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

A copy of every such order shall be marked to the Member-Convenor of the Standing Committee constituted under this Order.
15. **Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.
16. **Standing Committee:** A standing committee is hereby constituted with the following membership:
  - Secretary, Department of Industrial Policy and Promotion—Chairman
  - Secretary, Commerce—Member
  - Secretary, Ministry of Electronics and Information Technology—Member
  - Joint Secretary (Public Procurement), Department of Expenditure—Member
  - Joint Secretary (DIPP)—Member-Convenor

The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

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17. **Functions of the Standing Committee:** The Standing Committee shall meet as often as necessary but not less than once in six months. The Committee
- shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
  - shall annually assess and periodically monitor compliance with this Order
  - shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
  - may require furnishing of details or returns regarding compliance with this Order and related matters
  - may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
  - may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization
  - may consider any other issue relating to this Order which may arise.
18. **Removal of difficulties:** Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.
19. **Ministries having existing policies:** Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1<sup>st</sup> January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.
20. **Transitional provision:** This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

(B. S. Nayak)  
Under Secretary to Government of India  
Ph. 23061257



**APPENDIX-B**

**INTEGRITY PACT**

HLL Infra Tech Services Ltd.

Division : \_\_\_\_\_

Tender No: \_\_\_\_\_

**PRE-CONTRACT INTEGRITY PACT**

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on \_\_\_\_\_ day of the month of February 2012,

**Between**

HLL Infra Tech Services Ltd. [HITES], a wholly owned subsidiary company of M/s. HLL Lifecare Ltd. a Government of India Enterprise with registered office at HLL Bhavan, Poojappura, Thiruvananthapuram 695 012, Kerala, India. (Hereinafter called "HITES", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Party.

**And**

M/s \_\_\_\_\_ with office at \_\_\_\_\_ represented by Shri \_\_\_\_\_, Chief Executive Officer (hereinafter called the "BIDDER/Seller"/Contractor which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Party.

**Preamble**

[Both HITES and BIDDER referred above are jointly referred to as the Parties]

HITES intends to award, under laid down organizational procedures, Purchase orders / contract/s against Tender /Work Order /Purchase Order No. .... HITES desires full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

**NOW, THEREFORE,**

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-



HLL Infra Tech Services Ltd.

Division : \_\_\_\_\_

Tender No: \_\_\_\_\_

1. Enable HITES to obtain the desired materials/ stores/equipment/ work/ project done at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement; and
2. Enable the BIDDER to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and HITES will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Clause.1. Commitments of HITES**

- 1.1 HITES undertakes that HITES and/or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 HITES will, during the tender process / pre-contract stage, treat all BIDDERS with equity and reason, and will provide to all BIDDERS the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS in relation to tendering process or during the contract execution.
- 1.3 All the officials of HITES will report to Chief Vigilance Officer of HITES (CVO), any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
- 1.4 HITES will exclude from the process all known prejudiced persons and persons who would be known to have a connection or nexus with the prospective bidder.



HLL Infra Tech Services Ltd.

Division : \_\_\_\_\_

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- 1.5 If the BIDDER reports to HITES with full and verifiable facts any misconduct on the part of HITES's Associates (i.e. employees, agents, consultants, advisors, etc.) and the same is prima facie found to be correct by HITES, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by HITES. Further, such an Associate may be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by HITES the proceedings under the contract would not be stalled.

**Clause 2. Commitments of BIDDERS/ CONTRACTORS**

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

- 2.1 The BIDDER will not offer, directly or indirectly (i.e. employees, agents, consultants, advisors, etc.) any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

- 2.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES or otherwise in procuring the contract or forbearing to do or having done any act in relation to obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

- 2.3 The BIDDER will not engage in collusion, price fixing, cartelization, etc. with other counterparty(s).



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- 2.4 The counterparty will not pass to any third party any confidential information entrusted to it, unless duly authorized by HITES.
- 2.5 The counterparty will promote and observe ethical practices within its Organization and its affiliates.
- 2.6 BIDDER shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 2.7 The counterparty will not make any false or misleading allegations against HITES or its Associates.
- 2.8 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 2.9 The BIDDER further confirms and declares to HITES that the BIDDER is the original manufacture/integrator/authorized government sponsored export entity of the defense stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to HITES or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 2.10 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of HITES or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 2.11 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 2.12 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.



HLL Infra Tech Services Ltd.

Division : \_\_\_\_\_

Tender No: \_\_\_\_\_

- 2.13 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of HITES, or alternatively, if any relative of an officer of HITES has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

- 2.14 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of HITES.
- 2.15 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract, and will not enter into any undisclosed agreement or understanding with other Bidders, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.16 The BIDDER will not commit any offence under the relevant Indian Penal Code, 1860 or Prevention of Corruption Act, 1988; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the HITES as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 2.17 The BIDDER will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.18 The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign Principal(s), if any.



HLL Infra Tech Services Ltd.

Division : \_\_\_\_\_

Tender No: \_\_\_\_\_

**Clause.3. Previous contravention and Disqualification from tender process and exclusion from future contracts**

**3.1**

The BIDDER declares that no previous contravention occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process

**3.2**

The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

If BIDDER before award or during execution has committed a contravention through a violation of Clause 2, above or in any other form such as to put his reliability or credibility in question, HITES is entitled to disqualify the BIDDER from the tender process.

**Clause .4. Equal treatment of all Bidders / Contractors / Subcontractors**

**4.1**

The Bidder(s)/ Contractor(s) undertake(s) to demand from his Subcontractors a commitment in conformity with this Integrity Pact.

**4.2**

HITES will enter into agreements with identical conditions as this one with all Bidders and Contractors.

**4.3**

HITES will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

**Clause .5. Consequences of Violation / Breach**

5.1 Any breach of the aforesaid provision by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle HITES to take all or any one of the following action, wherever required:-



HLL Infra Tech Services I.td.

Division : \_\_\_\_\_

Tender No: \_\_\_\_\_

- i. To Immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- ii. If BIDDER commits violation of Integrity Pact Policy during bidding process, he shall be liable to compensate HITES by way of liquidated damages amounting to a sum equivalent to 5% to the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
- iii. In case of violation of the Integrity Pact after award of the contract, HITES will be entitled to terminate the contract. HITES shall also be entitled to recover from the contractor liquidated damages equivalent to 10% of the contract value or the amount equivalent to security deposit/ performance guarantee, whichever is higher.
- iv. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- v. To recover all sums already paid by HITES, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from HITES in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid amount.
- vi. To encash the advance bank guarantee and performance guarantee /warranty bond, if furnished by the BIDDER, in order to recover the payments already made by HITES, along with interest.
- vii. To cancel all or any other contract with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to HITES resulting from such cancellation/recession and HITES shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.



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- viii. To debar the BIDDER from participating in future bidding processes of HITES for a minimum period of five (5) years, which may be further extended at the discretion of HITES or until Independent External Monitors is satisfied that the Counterparty will not commit any future violation.
- ix. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- x. In cases where irrevocable Letters of credit have been received in respect of any contract signed by HITES with the BIDDER, the same shall not be opened.
- xi. Forfeiture of performance guarantee in case of a decision by HITES to forfeit the same without assigning any reason for imposing sanction for violation of the pact.

5.2 HITES will be entitled to all or any of the actions mentioned in para 5.1(i) to (x) of this pact also on the commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 The decision of HITES to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

**Clause.6. Fall Clause**

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price / charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to HITES, if the contract has already been concluded.



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**Clause .7. Independent External Monitor(s)**

- 7.1 HITES has appointed Independent External Monitor(s) (hereinafter referred to as Monitor(s)) for this Pact in consultation with the Central Vigilance Commission (Name and addresses of the Monitor(s) to be given).
- 7.2 The responsibility of the Monitor(s) shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 7.3 The Monitor(s) shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 7.4 Both the parties accept that the Monitor(s) have the right to access all the documents relating to the project/ procurement, including minutes of meetings.
- 7.5 As soon as the Monitor(s) notices, or has reason to believe, a violation of this pact, he will so inform the CVO.
- 7.6 The BIDDER(S) accepts that the Monitor(s) have the right to access without restriction to all project documentation of HITES including that provided by the BIDDER. The BIDDER will also grant the Monitor(s), upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors engaged by the BIDDER. The Monitor(s) shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.
- 7.7 HITES will provide to the Monitor(s) sufficient information about all meetings among the parties related to the Project provided such meeting could have an impact on the contractual relation between the parties. The parties will offer to the Monitor(s) option to participate in such meetings.
- 7.8 The Monitor(s) will submit a written report to the CVO of HITES within 8 to 10 weeks from the date of reference or intimation to him by HITES/BIDDER and, should consent arise, submit proposals for correcting problematic situations.



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**Clause.8.Criminal charges against violating Bidder(s)/  
\_\_\_\_\_ Contractor(s)/ Subcontractor(s)**

If HITES obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if HITES has substantive suspicion in this regard, HITES will inform the same to the Chief Vigilance Officer.

**Clause.9. Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact or payment of commission, HITES or its agencies shall be entitled to examine all the documents, including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

**Clause.10. Law and Place of Jurisdiction**

Both the Parties agree that this Pact is subject to Indian Law. The place of performance and hence this Pact shall be subject to Thiruvananthapuram Jurisdiction.

**Clause.11. Other legal Actions**

The actions stipulated in the Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

**Clause.12. Validity and Duration of the Agreement**

This Pact begins when both parties have legally signed it. It expires for the Contractor/Successful bidder 12 months after the last payment under the contract or the complete execution of the contract to the satisfaction of the both HITES and the BIDDER /Seller, including warranty period, whichever is later, and for all other Bidders/unsuccessful bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman and Managing Director of HITES.



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**Clause. 13. Other provisions**

- 13.1 Changes and supplements as well as termination notices need to be made in writing. Both the Parties declare that no side agreements have been made to this Integrity Pact.
- 13.1 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 13.1 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions

INWITNESS THEREOF the parties have signed and executed this pact at the place and date first above mentioned in the presents of following witnesses:

**HLL Infra Tech Services Ltd.**

**Bidder**

\_\_\_\_\_  
Director & CEO

\_\_\_\_\_  
Chief Executive

Witness

Witness

1.....

1.....

2.....

2.....

\* Provisions of these clauses would be amended /deleted in line with the policy of the HITES in regard to involvement of Indian agents of foreign suppliers.